

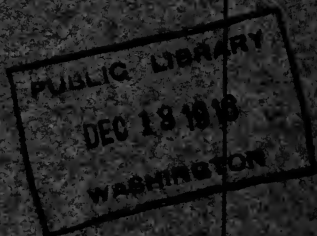
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2d Session

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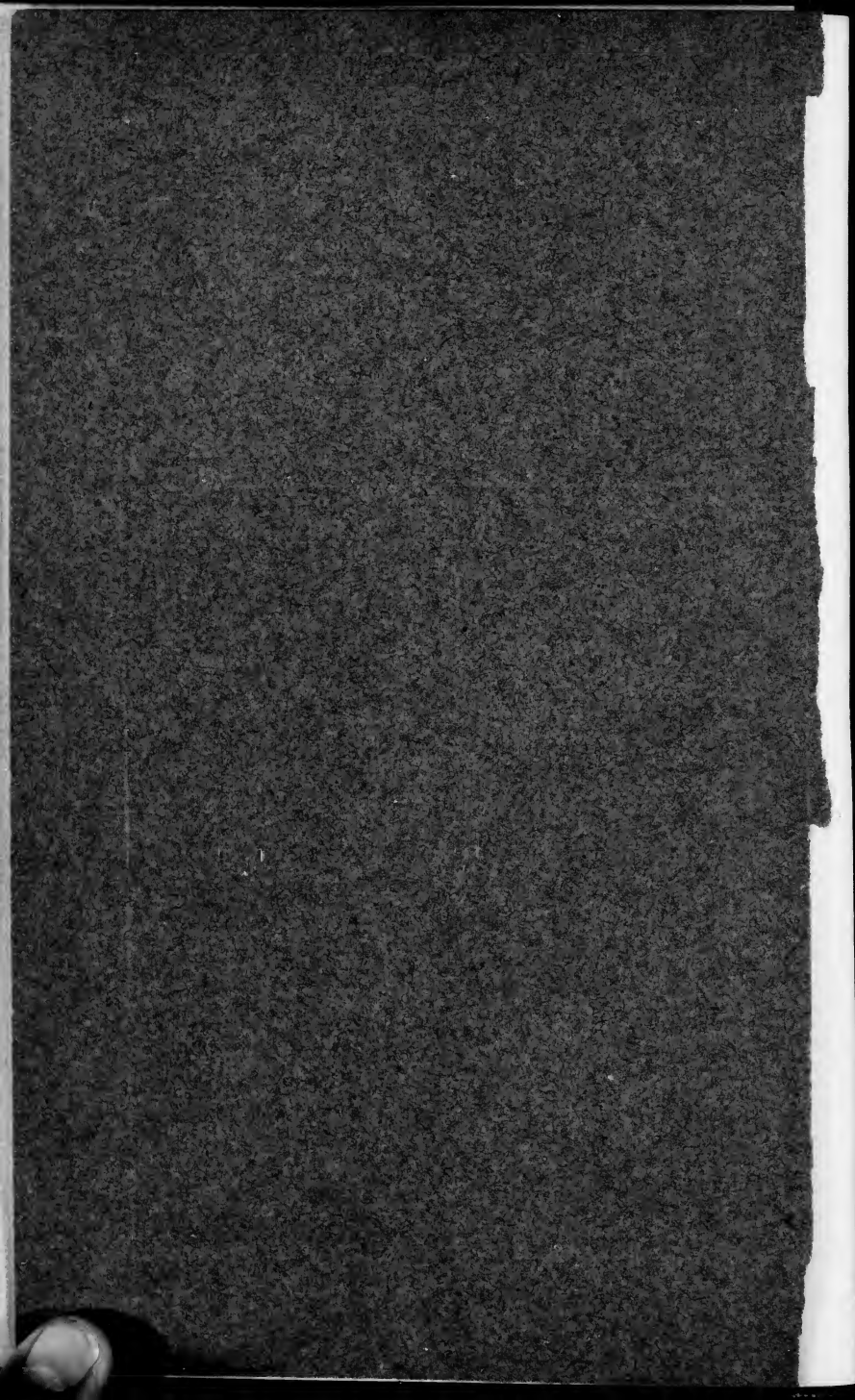
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ANNUAL REPORT OF THE
COMMISSIONERS OF THE
DISTRICT OF COLUMBIA
YEAR ENDED JUNE 30, 1916

Vol. III
REPORT OF THE HEALTH OFFICER



WASHINGTON
1916



ANNUAL REPORT OF THE
COMMISSIONERS OF THE
DISTRICT OF COLUMBIA
YEAR ENDED JUNE 30, 1916

Vol. III
REPORT OF THE HEALTH OFFICER



WASHINGTON

1916



OFFICERS AND EMPLOYEES OF THE HEALTH DEPARTMENT.

JUNE 30, 1916.

Health officer.

WILLIAM C. WOODWARD, M. D.

Assistant health officer.

JOHN L. NORRIS, M. D.

Chief clerk and deputy health officer.

HARRY C. MCLEAN.

Clerks.

S. PHILLIPS.
A. G. COLE.
C. D. HERRMANN.
E. LUCAS.

T. W. PARSONS.
A. C. PATTERSON.
A. W. AYRE.
L. H. CROWE.

LE ROY B. FOSTER.
M. LUCILLE GARDINER.
R. C. KILMARTIN, JR.

Chief sanitary inspector.

C. R. HOLMAN.

Chief food inspector.

R. S. WILSON.

Bacteriologist.

J. J. KINYOUN, M. D.

Assistant bacteriologists.

J. E. WALSH, M. D.
L. V. DIETER, Phar. D.

Chemist.

M. A. POZEN, Phar. D., B. S.

Assistant chemist.

Vacant.

Sanitary inspectors.

R. E. BECKHAM.
C. H. BUCHANAN.
J. F. BUTTS.
W. R. SMITH.

C. C. STAUB.
C. H. WELCH.
E. W. WHITAKER.
A. S. WOODLAND.

T. B. CARROLL.
M. STARBECKER.
C. R. COLVIN.
D. C. MALCOLM.

Food inspectors.

R. R. ASHWORTH, D. V. S.	W. B. DODGE.	A. L. MURRAY.
J. P. TURNER, V. M. D.	H. J. MULLIGAN.	P. A. CHAMBERLIN.
H. S. DRAKE, V. S.	R. A. GUERRANT.	W. H. H. HOOVER.
J. R. GRIME, D. V. S.	H. S. LUCAS.	B. F. MINSHALL.
C. M. GRUBB, D. V. M.	R. RANDALL.	
JOHN ROME, D. V. S.	W. H. CAMERON.	

Eight-hour female labor.

W. C. DILLER, inspector.	CAROLINE S. DAVIS.
M. L. SIMPSON, inspector.	W. M. SMITH.

Pound service.

G. W. RAE, poundmaster.

Laborers.

J. BURRILL.	B. PRICE.
W. JONES.	H. SHAMWELL.

Skilled laborers.

F. W. WILLNER.	H. LEVY.
----------------	----------

Messenger and janitor.

J. H. PECK.

Driver.

ISAAC PINKNEY.

Contagious-disease service.

W. C. FOWLER, M. D., chief medical inspector.	
LLEWELLYN ELIOT, M. D., medical inspector.	J. D. BRADFIELD, M. D., medical inspector.
E. L. LE MERLE, M. D., medical inspector.	W. J. FRENCH, M. D., medical inspector.
A. L. HUNT, M. D., medical inspector.	

OLIVE C. GORDON, inspector.

Skilled laborer.

J. J. QUICKLEY.

Laborer.

G. W. HALL.

Disinfecting service.

C. M. BEALL, M. D., inspector.	W. D. TAPSCOTT, engineer.
EDW. NEWMAN, laborer.	

Crematorium.

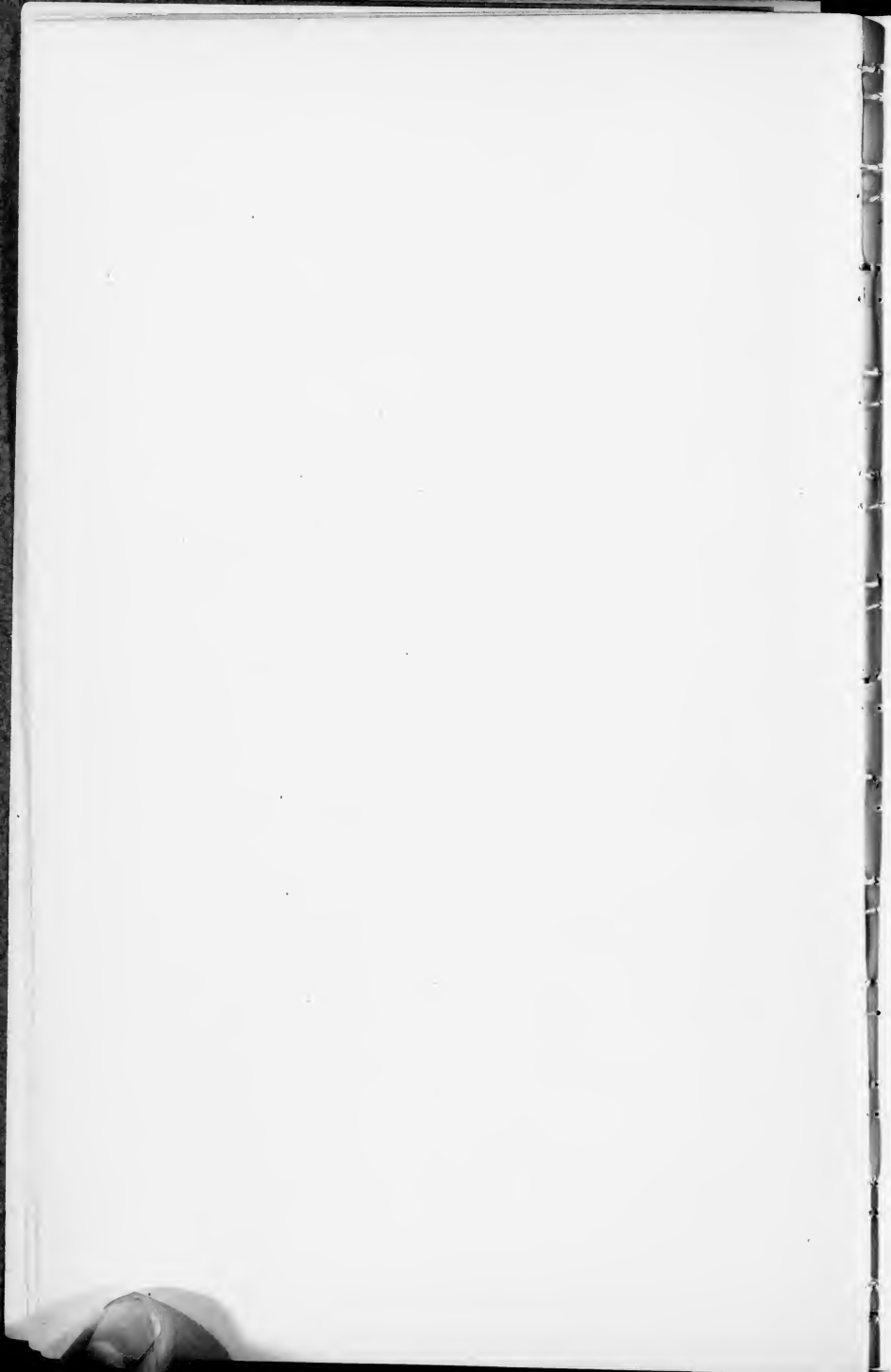
ERNEST BISHOP, superintendent.

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REPORT OF THE HEALTH OFFICER.

HEALTH DEPARTMENT,
Washington, October 9, 1916.

GENTLEMEN: I have the honor to submit the following report for the fiscal year ended June 30, 1916.

PART I.

PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA DURING THE CALENDAR YEAR 1915, WITH A SUPPLEMENTARY STATEMENT RELATING TO THE FIRST SIX MONTHS OF THE CALENDAR YEAR 1916.

Detailed statistics of births, stillbirths, cases of reportable illness, and deaths are printed in the appendix, to which reference must be made for information not found in the body of this report. Here only a brief synopsis of such data is possible.

POPULATION.

A police census was taken during the fall of 1915, with the following result:

Population of the District of Columbia in November, 1915, as determined by a police census, with comparative data from police census immediately preceding.

Date of census.	Population.		
	White.	Colored.	All.
Apr. 28, 1913.....	255,153	98,144	353,297
Nov. 1, 1915.....	258,940	98,809	357,749
Total increase.....	3,787	665	4,452
Average increase per annum.....	1,515	266	1,781
Percentage of increase per annum.....	0.59	0.27	0.50

Upon the foregoing figures all birth rates, stillbirth rates, morbidity rates, and death rates are computed.

GENERAL BIRTH RATES AND DEATH RATES.

The diminution in the death rate that has been continued since the calendar year 1896 was by unknown causes abruptly checked in the calendar year 1915. Deaths numbered 6,505 as against 5,866 during the preceding year, and the death rate rose from 16.59 to 18.18. The various factors that entered into this increase are discussed on pages 11 to 16. Stillbirths diminished from 447 to 440,

the latter figure being the lowest yet recorded, which may be accounted for, in part at least, by the falling off in the number of births, from 7,130 to 7,067, the birth rate falling from 20.16 to 19.75. Details appear in the following table:

Population, births, stillbirths, and deaths in the District of Columbia, with corresponding rates during the calendar years 1901-1915, inclusive.

Calendar years.	Popula- tion.	Births.	Still- births.	Deaths.	Rate per 1,000.		
					Births.	Still- births.	Deaths.
1901-1905 ¹	311,325	5,409	570	6,042	17.38	1.83	19.41
1906-1910 ¹	336,940	6,900	577	6,304	20.48	1.71	18.71
1911.....	349,568	7,032	504	6,303	20.12	1.44	18.03
1912.....	352,136	7,007	501	6,259	19.85	1.42	17.73
1913.....	353,297	6,903	500	6,006	19.54	1.41	16.99
1914.....	353,664	7,130	447	5,866	20.16	1.26	16.59
1915.....	357,749	7,067	440	6,505	19.75	1.23	18.18
1911-1915 ¹	353,443	7,028	478	6,188	19.88	1.35	17.50

¹ Average for 5-year period.

BIRTHS AND STILLBIRTHS.

Birth rates.—Births and stillbirths together numbered 7,507, the natality being 21 per thousand, computed on the basis of the entire population. Of the children whose births or stillbirths were recorded, 50 were of unknown race, representing bodies picked up on vacant lots and in other similar places, often in stages of more or less advanced decomposition, coming under the official notice of the coroner, and whose race could not be determined. Of the remaining children, 5,027 were white and 2,430 were colored, the natality for the white race being 19.8 and that for the colored race being 24.6. None of these rates varied materially from those of the preceding year, as is shown in the following table:

Natality in the District of Columbia, by years and by race, during the calendar years 1906-1915, inclusive.

Calendar years.	Births and stillbirths registered.				Rate per 1,000 of corresponding population.			
	White.	Colored.	Un- known.	Total.	White.	Colored.	Un- known.	Total.
1906-1910 ¹	4,832	2,583	62	7,427	20.1	26.7	.....	22.2
1911.....	4,943	2,524	69	7,536	19.7	25.7	.....	21.6
1912.....	4,901	2,532	75	7,508	19.2	25.7	.....	21.3
1913.....	4,831	2,509	60	7,403	18.9	25.6	.....	20.9
1914.....	5,104	2,422	51	7,577	19.9	24.8	.....	21.4
1915.....	5,027	2,430	50	7,507	19.8	24.6	.....	21.0
1911-1915 ¹	4,962	2,483	61	7,506	19.5	25.3	.....	21.0

¹ Average for 5-year period.

Stillbirths.—Of the 7,507 children born during the calendar year 1915, 440 were born dead, equivalent to 5.9 per cent. Of the 5,027 white children, 155 were born dead, equivalent to 3.1 per cent. Of the 2,430 colored, 235 were born dead, equivalent to 9.7 per cent.

The corresponding stillbirth rates, and figures for comparison with preceding years, are embodied in the following table:

Stillbirths in the District of Columbia, relative frequency of, with reference to race, legitimacy, and illegitimacy, during the calendar years 1906-1915, inclusive.

Calendar year.	Registered stillbirths.				Rate per 1,000.				Percentage of stillbirths of each class named below computed upon the basis of all live and stillbirths, together for each such class.					
									By race.				Social status.	
	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.	Legitimate.	Illegitimate.
1906-1910 ¹	200	315	62	577	0.8	3.2	.....	1.7	4.1	12.2	.....	7.7	5.6	14.9
1911.....	171	266	67	504	.7	2.7	.....	1.4	3.5	10.5	.....	6.7	5.0	12.8
1912.....	167	259	75	501	.7	2.6	.....	1.4	3.4	10.2	.....	6.7	4.9	12.2
1913.....	167	273	60	500	.7	2.8	.....	1.4	3.5	10.9	.....	6.8	5.1	13.3
1914.....	179	217	51	447	.6	2.2	.....	1.3	3.5	8.9	.....	5.8	4.6	12.1
1915.....	155	235	50	440	.6	2.4	.....	1.2	3.1	9.7	.....	5.9	4.5	12.5
1911-1915 ¹	168	250	61	478	.7	2.5	.....	1.3	3.4	10.0	.....	6.4	4.8	12.6

¹ Average for 5-year period.

In view of the increasing resort to hospitals in cases of confinement, the following data are of interest. Surmises might be made as to the reasons for the greater frequency of stillbirths in hospital practice than in case of confinements at home, but in the absence of a full knowledge of the details of the situation, it is probably better not to guess. It is safe to say, however, that the apparent infrequency of stillbirths in the practices of midwives is due to the fact that in difficult cases of labor midwives call physicians to their aid, and then if the child is stillborn the case is reported by the physician and is not charged against the record of the midwife.

Stillbirths in the District of Columbia, relative frequency of, in home and hospital practice, during the calendar year 1915.

Attended by—	Confined at home.		Confined in hospital.		Percentage of stillbirths to live births and stillbirths.		
	Live births.	Stillbirths.	Live births.	Stillbirths.	Homes.	Hospitals.	Homes and hospitals.
Physicians.....	3,996	201	2,467	187	4.80	7.05	5.67
Midwives.....	604	¹ 2	....	....	¹ .33	....	¹ .33
Total.....	4,600	203	2,467	187	4.23	7.05	5.23

¹ All stillbirths occurring in the practice of midwives are certified by the coroner, but he has aided during the past year to distinguish between cases so attended and other cases among the 50 stillbirths certified by him.

Illegitimacy.—Of the 7,507 births and stillbirths registered during the year, 670 were illegitimate, equivalent to 8.9 per cent. Illegitimate births and stillbirths of white children numbered 119, equivalent to 2.4 per cent of all births and stillbirths of white children.

The number reported among the colored race was 495, representing 20.4 per cent of all. The natality for illegitimate children, computed upon the basis of the entire population, was 1.9 per 1,000. The corresponding rate among the white population was 0.5 and among the colored population 5. Figures for comparison appear in the following table:

Illegitimacy in the District of Columbia, prevalence of, by years and by race, during the calendar years 1906-1915, inclusive.

Calendar years.	Illegitimate births and stillbirths registered.				Rates per 1,000 corresponding population.				Percentage of all births and stillbirths reported as illegitimate.			
	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.	White.	Colored.	Unknown.	Total.
906-1910 ¹	110	572	.....	682	0.5	5.9	.....	2.0	2.3	22.1	.....	9.2
1911.....	105	557	67	729	.4	5.7	.....	2.1	2.1	22.1	.....	9.7
1912.....	112	574	88	774	.4	5.8	.....	2.2	2.3	22.7	.....	10.3
1913.....	123	570	69	762	.5	5.8	.....	2.2	2.5	22.7	.....	10.3
1914.....	98	507	55	660	.4	5.2	.....	1.9	1.9	20.9	.....	8.7
1915.....	119	495	56	670	.5	5.0	.....	1.9	2.4	20.4	.....	8.9
1911-1915 ¹	111	541	67	719	.4	5.5	.....	2.1	2.2	21.7	.....	9.6

¹ Average for 5-year period.

The year showed no significant variation in the age distribution of the mothers of the reported illegitimate children, as is shown in the following table:

Illegitimacy in the District of Columbia: Ages of mothers of illegitimate children whose births and stillbirths were recorded during the calendar years 1911-1915, inclusive.

Calendar year.	Ages of mothers in years.												
	12	13	14	15	16	17	18	19	20	Total under 21.	21 and over.	Age not stated.	Total.
1911.....		3	4	17	33	49	54	51	46	257	204	182	643
1912.....		1	7	19	52	77	90	76	57	379	225	170	774
1913.....		1	4	29	55	80	98	82	62	412	275	6	693
1914.....		1	8	15	53	67	106	62	49	361	215	29	605
1915.....		1	7	18	51	80	84	66	60	367	233	14	614

Births in institutions and under the care of midwives.—The diminishing frequency of the employment of midwives in cases of confinement and the increasing resort to institutions at that time are shown in the following table. Only 604 live births, equivalent to 8.5 per cent of all, were reported by the 91 midwives now authorized to practice in the District. Even if due allowance be made for the death and retirement of a reasonable number of these midwives, the calling is apparently hardly to be considered to be a lucrative one or one that is likely to attract intelligent and ambitious women. From institutions, 2,467 live births were reported, equivalent to 34.9 per cent of all. Stillbirths have been eliminated in presenting these figures, because in difficult cases of labor, when stillbirth is most likely to occur, a midwife ordinarily calls in a physician, who thereupon assumes the burden of reporting the case, and if the physician does not arrive in time the midwife does not report the stillbirth directly, but only through the

coroner. The number of stillbirths properly chargeable to the practice of midwives, therefore, is not accurately known.

In 4,197 cases of confinement attended by physicians, in the homes of patients, there were 201 stillbirths, equivalent to 4.80 per cent. In 2,654 similar cases in hospitals, 187 stillbirths occurred, equivalent to 7.05. The exact significance of these figures can not be determined with the data now available.

Midwives and lying-in hospitals in the District of Columbia: Live births reported by midwives and from institutions during the calendar years 1906-1915, inclusive.

Calendar year.	Number reported.			Percentage reported.	
	Total.	From institutions.	By midwives.	From institutions.	By midwives.
1906-1910 ¹	6,900	1,286	1,295	18.6	18.8
1911.....	7,032	1,616	1,042	23.0	14.8
1912.....	7,007	1,788	953	25.5	13.6
1913.....	6,903	1,936	842	28.0	12.2
1914.....	7,130	2,182	699	30.6	9.8
1915.....	7,067	2,467	604	34.9	8.5
1911-1915 ¹	7,028	1,998	828	28.4	11.8

¹ Average for 5-year period.

STATISTICS OF ILLNESS AND DEATHS.

General mortality.—Deaths numbered 6,505 in the calendar year 1915, as compared with 5,866 during the preceding calendar year. The death rate rose, therefore, from 16.59 to 18.18, or 9.6 per cent. This is the highest recorded death rate since the calendar year 1910.

Careful inquiry has failed to reveal any cause for this increase. It affected the white and the colored race alike. No age period was exempt. No one disease or class of diseases was responsible.

Among whites, deaths increased from 3,493 to 3,918, with a corresponding rise in the death rate from 13.64 to 15.13. Among colored, deaths increased from 2,373 to 2,587, and the rate from 24.31 to 26.18. The white death rate is the highest since 1907, and the colored the highest since 1912.

The increase in the number of deaths was not limited to any one age period. Deaths in the first year of life increased from 715 to 778; between 1 and 4 years, from 225 to 241; between 5 and 19 years, from 295 to 315; between 20 and 69 years, 3,424 to 3,778, and at 70 years and over, from 1,207 to 1,393. Computed upon the number of reported births, the death rate in the first year of life rose from 100 per thousand births to 110.

Deaths from the diseases of middle and advanced life, sometimes called the degenerative diseases, showed an increase that was by far the most conspicuous feature of the year's record. Deaths from diseases of the heart increased from 757 to 853. Deaths from chronic inflammation of the kidneys increased from 588 to 613. From acute inflammation of the kidneys there were 77 deaths as compared with 51 for the preceding year, an increase probably bearing some relation to the increase in the number of deaths reported from chronic kidney diseases. Apoplexy showed an increase from 419 to 457. Deaths from arteriosclerosis increased from 143 to 154.

Among acute diseases, pneumonia showed the most conspicuous increase, from 468 to 671. This was offset, to an almost negligible extent, by a decrease in the number of deaths due to bronchitis, from 96 to 87, and in the number of deaths from pulmonary congestion, from 12 to 8. Tuberculosis of the lungs showed an increase from 611 to 698, which was probably related to the increased mortality from pneumonia.

Cancers caused 392 deaths as against 344 during the preceding year. Deaths from diarrheal diseases among children less than 2 years old rose from 142 to 167.

Increases in deaths from communicable diseases were general, but deaths from these diseases do not now play a very important part in the general mortality of the community. Deaths caused by whooping cough rose from 18 to 19; by measles, from 1 to 5; by epidemic cerebrospinal meningitis, from 5 to 6; and by scarlet fever, from 1 to 8. Decreases occurred in deaths due to diphtheria, from 31 to 29, and in deaths due to typhoid fever, from 45 to 42.

The increase in the number of deaths was not limited to disease processes but extended also to deaths from violence. Deaths from accidents increased from 215 to 227; from homicides, from 29 to 38; and from suicides, from 67 to 87.

In a search for the cause of this considerable, widely distributed, and unexplained increase in the death rate, the census sheets delivered to this department by the major and superintendent of police were carefully examined, in the belief that it might be found that the increase was apparent rather than real, and due merely to some error in the determination of the total population. Some foundation for this belief existed in the extremely small reported increase in the population, one-half of 1 per cent, which hardly seemed consistent with the apparent growth of the District. These census sheets, in so far as the office work of them was concerned, were, however, found correct. The total population, the age, race, and sex distribution, and distribution by localities, were found to be consistent with previous censuses. Moreover, there was no increase in the birth rate and still-birth rate, such as might naturally be expected to appear had there been any considerable increase in the population, not shown by the census returns. Infant mortality, computed upon the basis of recorded births and not upon the basis of the enumerated population, showed an increase in keeping with the increase in the infant mortality rate if computed upon the enumerated population. The health department has been unable, therefore, to find any facts upon which to base an explanation of this increased mortality rate. But in view of its wide distribution throughout the entire range of causes of death and among both races and all age periods, it seems probable that the increase was apparent rather than real, and that it is based upon some discrepancy between the methods of enumerating the population in 1913 and in 1915, possibly upon the fact that in the former year the enumeration was made about the 1st of May, while in the latter the enumeration was about the 1st of November.

The supposition that this apparent sudden rise in the local death rate was in reality connected in some way with the method of circumstances under which the population was enumerated in 1915, rather than upon any change in conditions directly affecting the death rate,

is supported, too, by the fact that in no other city, so far as has been observed, did any similar increase in mortality occur. This is shown by the following table collated from the records of the Division of Vital Statistics, United States Bureau of the Census.

Deaths and death rates in some of the more important cities of the United States, in the calendar years 1914 and 1915, compiled from bulletins of the Department of Commerce, Bureau of the Census, of Dec. 21, 1915, and Sept. 19, 1916.

City.	Deaths.		Death rates.	
	1914	1915	1914	1915
Birmingham, Ala.....	2,907	2,714	17.5	15.6
Los Angeles, Cal.....	5,643	5,856	12.9	12.3
Oakland, Cal.....	2,121	2,166	11.6	11.4
San Francisco, Cal.....	6,943	7,260	15.5	15.9
Denver, Colo.....	3,247	3,355	13.2	13.3
New Haven, Conn.....	2,326	2,311	16.1	15.7
Atlanta, Ga.....	2,956	2,796	16.5	15.1
Chicago, Ill.....	33,959	34,894	14.2	14.3
Indianapolis, Ind.....	4,142	3,911	15.9	14.7
Louisville, Ky.....	3,869	3,550	16.5	15.0
New Orleans, La.....	7,417	7,752	20.5	21.2
Baltimore, Md.....	10,486	10,008	18.1	17.1
Boston, Mass.....	11,831	12,020	16.1	16.1
Detroit, Mich.....	8,400	8,720	15.6	15.7
Minneapolis, Minn.....	4,116	4,048	12.0	11.5
St. Louis, Mo.....	11,052	10,293	15.0	13.8
New York, N. Y.....	75,020	76,241	14.1	13.9
Rochester, N. Y.....	3,514	3,488	14.3	13.4
Dayton, Ohio.....	1,704	1,709	13.8	13.6
Philadelphia, Pa.....	26,739	26,291	16.1	15.6
Pittsburgh, Pa.....	8,857	8,728	15.7	15.3
Nashville, Tenn.....	2,119	1,997	18.4	17.2
Milwaukee, Wis.....	4,959	4,901	11.8	11.4
Richmond, Va.....	2,658	2,921	19.7	18.9

Mortality by race.—As between the years 1914 and 1915, deaths among the white race increased from 3,493 to 3,918, with a corresponding rise in the death rate from 13.64 to 15.13. Among the colored race, deaths increased from 2,373 to 2,587, the death rate increasing from 24.31 to 26.18. Figures for comparison with previous years appear in the following table:

Racial population, deaths and death rates in the District of Columbia, by calendar years, from 1896 to 1915, inclusive.

Years.	Population.		Deaths.		Death rates.	
	White.	Colored.	White.	Colored.	White.	Colored.
1896-1900 ¹	194,517	89,272	3,238	2,573	16.65	28.82
1901-1905 ¹	217,606	93,719	3,365	2,647	15.60	28.20
1906-1910 ¹	240,244	96,696	3,626	2,678	15.09	27.69
1911.....	251,409	98,159	3,739	2,564	14.87	26.12
1912.....	254,260	98,676	3,606	2,653	14.18	26.89
1913.....	255,153	98,144	3,568	2,438	13.98	24.84
1914.....	256,049	97,615	3,493	2,373	13.64	24.31
1915.....	258,940	98,809	3,918	2,587	15.13	26.18
1911-1915 ¹	255,162	98,281	3,665	2,523	14.36	25.67

Average.

Mortality by age periods.—A statement of the distribution of deaths by age periods appears in the appendix. The particular age period upon which interest chiefly centers is just now the period of infancy. Unfortunately the death rate for this period rose during the calendar year 1915, along with the general increase in the mortality rate. Deaths increased from 715 to 778, and the death rate increased from 100 to 110 per thousand reported births. Among the white population, deaths increased from 343 to 398, and the death rate rose from 70 to 82. Among the colored, the number of deaths rose from 372 to 380, with a corresponding rise in the death rate from 169 to 173.

An important element in infant mortality is made up of the deaths occurring within the first day of life. In no other period of life are the chances of death so great. Unfortunately, no infant welfare work and none of the improvements of obstetrical methods during recent years has reduced the risks at this time. This is shown by the following table:

Deaths of infants under 1 day, and from 1 day to 1 week old, in the District of Columbia, with corresponding death rates based on registered births, together with percentages of deaths at these age periods to total deaths under 1 year, during the calendar years 1901 to 1915, inclusive.

Years.	Registered births.	First day.		1 day to 1 week.		Percentage of deaths computed on the basis of all deaths in first year.	
		Deaths.	Death-rates.	Deaths.	Death-rates.	First day.	1 day to 1 week.
1901-1905 ¹	5,408.8	124.6	² 23.03	158.2	29.25	10.68	13.57
1906-1910 ¹	6,899.8	131.0	18.98	157.6	22.84	11.76	14.06
1911.....	7,032.0	151	21.47	130	18.49	15.78	13.58
1912.....	7,007	123	17.55	141	20.12	13.68	15.89
1913.....	6,903	142	20.57	118	17.09	17.15	14.25
1914.....	7,130	112	15.93	143	20.06	15.66	20.00
1915.....	7,067	130	18.39	128	18.11	16.71	16.45
1911-1915 ¹	7,027.8	131.6	18.73	132	18.78	15.75	15.80

¹ Annual average for 5-year period.

² This death rate in 1901 was 40.18, from some cause not now apparent. Other death rates in this quinquennium were 19.87, 25.18, 17.85, and 17.15.

Deaths from the more important diseases.—The table printed below shows the causes of death that operated most potently during the calendar year 1915, with certain figures for comparison. It shows no material change in the relative importance of the several causes coming within the group. A comparison of the numbers of deaths and of the death rates for the years 1914 and 1915, show, however, how widely distributed was the increased mortality of the latter year.

Most potent causes of deaths in the District of Columbia, during the calendar years 1914 and 1915, arranged in order of relative influence on the death rate in the latter year.

Diseases.	Deaths.			Death rate per 100,000.		
	Annual average, 1906-1910.	1914	1915	Annual average, 1906-1910.	1914	1915
Organic heart disease.....	568	657	731	169	186	204
Pulmonary tuberculosis.....	749	611	698	222	173	195
Pneumonia (all forms).....	554	468	671	163	132	188
Bright's disease.....	442	588	613	131	166	171
Apoplexy.....	327	419	457	97	119	128
Malignant growths.....	276	344	392	82	97	110
Prematurity.....	215	183	204	64	52	57
Diarrhea, etc., under 2 years.....	305	142	167	91	40	47
Arteriosclerosis.....	84	143	154	25	40	43
Endo and myo carditis.....	72	100	122	21	28	34
Grippe.....	96	65	114	28	18	32
Senility.....	200	123	113	59	35	32
Bronchitis (all forms).....	128	96	87	38	27	24
Nephritis, acute.....	59	51	77	18	14	22
Diabetes.....	41	64	72	12	18	20
Marasmus, under 1 year.....	62	71	68	18	20	19
Paresis.....	33	67	67	10	19	19
Diarrhea, 2 years and over.....	72	57	58	21	16	16
Hepatic cirrhosis.....	43	41	51	13	12	14
Typhoid fever.....	119	45	42	35	13	12
Gastritis.....	73	48	39	22	14	11

Notwithstanding the increase in the death rates for the calendar year 1915 as compared with those of the preceding year, the general downward trend of certain of the more important preventable diseases is shown. Upon comparing the average annual death rate for the five-year period 1906-1910 with the death rate for the calendar year 1915, the following decreases are shown: Pulmonary tuberculosis from 222 to 195; prematurity, from 64 to 57; diarrhea among children under 2 years of age, from 91 to 47; diarrhea among persons 2 years old and more, from 20 to 16; and typhoid fever from 35 to 12. These decreases were offset by increases in death rates, as follows: Organic heart disease, from 169 to 204; pneumonia, from 163 to 188; Bright's disease, from 131 to 171; apoplexy, from 98 to 128; malignant growths, from 82 to 110; arteriosclerosis, from 25 to 43; endo and myo carditis, from 21 to 34; diabetes, from 12 to 20; and paresis, from 10 to 19. As has been stated in previous reports, there is a general tendency toward the decrease in deaths from the communicable diseases and diseases generally that are preventable by public efforts, and a tendency toward the increase in deaths due to faulty personal habits, beyond the reach of government agencies except through education.

Reportable diseases.—The extent to which each of the several reportable diseases prevailed during the calendar year 1915 and the percentage of fatalities and the death rate from each such disease, with corresponding figures for the preceding year are shown in the table following.

Reportable diseases in the District of Columbia: Cases, case rates, deaths, percentage of fatalities, and death rates, during the calendar years 1914 and 1915.

Diseases.	Cases.		Case rate per 100,000.		Deaths.		Percentage of cases ending fatally.		Death rate per 100,000.	
	1914	1915	1914	1915	1914	1915	1914	1915	1914	1915
Anterior poliomyelitis.....	8	6	2	2	1	2	12.5	33.3	0.3	0.5
Chicken pox.....	1,031	933	291	261						
Diphtheria.....	452	644	128	180	31	28	6.9	4.3	8.8	8.1
Epidemic cerebro spinal meningitis.....	8	5	2	1	5	5	62.5	100.0	1.4	1.7
Leprosy.....			56							
Measles.....	947	1,940	268	542	1	5	.1	.3	.3	1.4
Pellagra.....	21	22	6	6	14	16	66.6	72.7	4.0	4.5
Scarlet fever.....	311	794	88	222	1	8	.3	1.0	.3	2.2
Smallpox.....	150	15	42	4						
Tuberculosis (all communicable forms).....	1,057	1,095	299	306	652	734	61.7	67.0	202.0	205.2
Typhoid fever.....	340	359	96	100	45	42	13.0	11.7	12.7	11.7
Whooping cough.....	537	674	152	188	18	19	3.3	2.8	5.1	5.3

Deaths at the District workhouse, Occoquan, Va.—Six deaths occurred at the District workhouse at Occoquan, Va., during the calendar year 1915 from the following causes: Typhoid fever, 1; pulmonary tuberculosis, 1; acute nephritis, 1; and organic heart disease, 3. As the average daily population was 634, the death rate per 1,000 was 9.5.

VITAL STATISTICS, JANUARY TO JUNE, INCLUSIVE, 1916.

Births and stillbirths.—During the first half of the calendar year 1916, 3,584 live births were reported, as against 3,525 reported during the corresponding part of the preceding year. Stillbirths in 1916 numbered 201, against 219 in 1915.

Illness and deaths.—It is to be regretted that the apparently high death rate that prevailed during the calendar year 1915 has continued through the first half of the calendar year 1916. In 1916, from January to June, inclusive, 3,388 deaths were reported, substantially the same number as was reported during the corresponding period of the preceding year, 3,398. There was, however, a further increase in the death rate among the white population, 2,104 deaths having been recorded as compared with 2,035 during the preceding year. The death rate for the colored race showed, however, a material decrease, the number of deaths reported during the first half of 1916 being but 1,284 as compared with 1,363 during the first half of 1915.

Deaths from violence have continued to increase during 1916, up to the close of the fiscal year, on June 30. Deaths from accidents and negligence increased from 104 to 108, and suicides from 43 to 51. Homicides decreased from 18 to 15, due to a diminution among the white race, from 6 to 2, homicides among the colored race having increased from 12 to 13.

Among the several groups of deaths from natural causes there were several noteworthy decreases and several regrettable increases, but the high general death rate was due to a wide range of diseases and not to any few. Decreases occurred as follows: Pulmonary tuberculosis, from 361 to 340; pneumonia, from 429 to 401; bronchitis, from 60 to 46; and diarrheal disease among children less than 2 years old, from 28 to 23. Diphtheria, however, prevailed to a greater extent in 1916 than during the corresponding period of 1915, the

reported cases increasing from 141 to 356, and deaths from 7 to 20. Reported cases of measles increased from 1,645 to 2,156, but deaths decreased from 5 to 4. Reported cases of typhoid fever increased from 71 to 82, and deaths rose from 12 to 17. Registered cases of whooping cough increased from 322 to 785, and deaths from 12 to 17.

Scarlet fever was less prevalent than during the preceding year, only 309 cases having been registered, as compared with 604 during the earlier period, and deaths from this disease dropping from 8 to 6.

DISPOSAL OF THE DEAD.

The following table shows the manner of disposition of the dead bodies, exclusive of the dead bodies of stillborn infants, coming under the supervision of the health department during the calendar year 1915:

Disposal of dead bodies, exclusive of bodies of stillborn infants, coming under the supervision of the health department during the calendar year 1915.

Method of disposal.	Died in the District of Columbia.	Died outside of the District of Columbia; brought in for disposal.	Total.
Sent out of the District for disposal:			
To Arlington National Cemetery.....	303	33	336
To other places.....	1,324	48	1,372
Total.....	1,627	81	1,708
Cremated:			
Lee's crematory.....	53	14	67
District crematory.....	297	1	298
Total.....	350	15	365
Buried in the District of Columbia.....	4,432	488	4,920
Anatomical board.....	96		96
Total.....	4,528	488	5,016
Total disposed of.....	6,505	584	7,089

COMMUNICABLE DISEASES OF ANIMALS.

Rabies.—The following table shows the extent to which rabies prevailed in the District of Columbia during the calendar year 1915, with corresponding figures for the preceding year:

Rabies in the District of Columbia during the calendar year 1915, and corresponding data for the preceding fiscal year.

	Calendar year.	
	1914	1915
Dogs reported to the health department as rabid or suspected of being rabid.....	21	19
Other animals reported as rabid or suspected of being rabid.....		5
Instances in which diagnosis of rabies was confirmed by post-mortem findings of the Bureau of Animal Industry (dogs 8, cat 1).....	8	9
Persons bitten by dogs, rabid or suspected of being rabid.....	18	17
Domestic animals bitten by dogs, rabid or suspected of being rabid.....	1	5
Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-mortem findings of the Bureau of Animal Industry (dogs 8, cat 1).....	8	9
Pasteur treatment administered to individuals during the calendar year (reports received from the Hygienic Laboratory, Public Health Service).....	139	122

¹ This includes individuals from outside of the District of Columbia as follows: 1914, 23; 1915, 13.

A proclamation requiring the muzzling of all dogs running at large was issued by the commissioners on August 3, 1915, to take effect on August 10, 1915, and to continue for a period of one year. Such proclamations have been issued annually by the commissioners since 1910. Rabies, however, continues to prevail, because of obstacles in the way of the rigid enforcement of the law. The greatest difficulty arises probably out of the impossibility of recognizing after the hours of daylight dogs that are without muzzles, unmuzzled dogs being practically free to run at large during that time. The only way of removing this source of danger is to forbid absolutely the running at large of any dog whatsoever after sunset and before sunrise, or after twilight and before sunrise, so as to render it possible for the pound force to operate effectively during that period. Previous recommendations for the enactment of legislation to accomplish this result are renewed.

PART II.

ADMINISTRATION.

SUPERVISION.

In order to establish and maintain a closer supervision over the statistical work of the health department that work was segregated on October 25, 1915, from the general clerical service and placed under the immediate supervision of Dr. Albert C. Patterson, who had nominally been in charge of it since 1903, and who was made responsible directly to the health officer. At the same time the general nomenclature of the departmental organization was changed so as to provide for the distribution of the work of the department among five bureaus, as follows: Bureau of administration, bureau of vital statistics, bureau of sanitary inspection, bureau of food inspection, and bureau of preventable diseases. These designations of branches of the health department's work are, of course, without force of law, and they have been adopted merely for the purpose of simplifying the organization of the department and facilitating the dispatch of business.

BUREAU OF PREVENTABLE DISEASES.

The work of the bureau of preventable diseases corresponds to the work of what was designated in the last annual report of this department as "medical service." Its organization and general method of administration remain the same as heretofore.

CONTAGIOUS DISEASE SERVICE.

The following table suggests in a general way the amount and character of work done in the contagious-disease service during the fiscal year 1916, with corresponding data for the preceding fiscal year.

Reportable diseases in the District of Columbia; cases reported to the health department during the fiscal years 1915 and 1916.

	Fiscal year 1915.	Fiscal year 1916.
Anterior poliomyelitis.....	9	7
Chicken pox.....	932	1,044
Diphtheria.....	357	861
Epidemic cerebrospinal meningitis.....	5	7
Leprosy.....	1	1
Measles.....	1,743	2,450
Pellagra.....	20	19
Scarlet fever.....	719	478
Smallpox.....	36	8
Tuberculosis.....	1,135	1,045
Typhoid fever.....	319	362
Whooping cough.....	563	1,131
Total.....	5,839	7,412

Smallpox hospital and quarantine station.—The smallpox hospital during the fiscal year 1916 cared for 8 patients. It was in active service on 80 calendar days, rendering 88 patient-days' service. Its maintenance and operation during the year cost approximately \$2,335.21.

The quarantine station cared for 8 inmates during the fiscal year, was open 117 days, and rendered 123 inmate-days' service. The cost of maintenance and operation was approximately \$1,889.04.

Ambulance service.—The ambulance for patients suffering from the so-called minor contagious diseases carried during the year 494 patients, on 232 days, at a cost of approximately \$1,945.82. Patients taken to the smallpox hospital were removed in the ambulance maintained for that purpose or in some other vehicle in the service of the department, and not in the ambulance used generally for the removal of patients suffering from minor diseases.

Organization.—The organization and administration of the contagious disease service has remained the same as heretofore reported.

Cost of the contagious-disease service.—The following table shows the cost of the contagious-disease service during the fiscal year 1916, with corresponding figures for the preceding fiscal year. The amount provided by Congress for personal services necessary for the discharge of this branch of the health department's activities proved inadequate, as in previous years, and it became necessary to draw upon the emergency fund to the extent of \$1,314.24.

Contagious-disease service.—Cost during fiscal years 1915 and 1916.

	Fiscal year 1915.	Fiscal year 1916.
General services:		
Services.....	\$8,406.75	\$8,307.13
Supplies.....	1,380.86	880.58
Ambulance service:		
Services.....	1,062.00	1,063.75
Supplies.....	615.58	882.07
Smallpox hospital:		
Services.....	1,783.25	1,053.75
Supplies.....	5,397.11	1,281.46
Quarantine station:		
Services.....	1,609.25	706.50
Supplies.....	1,535.14	912.54
Leper hospital:		
Services.....	(1)	1,912.50
Supplies.....	(1)	2,161.75
Total for contagious disease service.....	21,789.94	19,432.03

¹ Expenses for the leper hospital for the year 1915 were not segregated from other expenses.

The following statement shows the service rendered by the isolating wards at Garfield Memorial and Providence Hospitals:

Isolating wards, Garfield Memorial and Providence Hospitals.

Name of institution.	Pay-patient days.	Free-patient days.	Total patient days.	Total appropriated by Government.	Paid by District for year.	Cost to District per free patient per day.	Amount received from pay patients.	Cost of pay patients.
Garfield Memorial Hospital...	2,459	6,582	9,041	\$7,000	\$7,000	\$1.06	\$4,187.13	\$3,719.01
Providence Hospital.....	1,094	2,701	3,795	5,000	5,000	1.85	(¹)	(¹)

¹ No account of money received from pay patients was rendered by Providence Hospital. The figures stated with respect to Garfield Memorial Hospital are taken from a letter received from that institution.

The isolating wards at Garfield Memorial and Providence Hospitals were operated during the year under contracts between the District government and the institutions named, on the same basis as during the preceding year. Garfield Memorial Hospital, under the contract with it, received \$4,000, payable in 12 equal monthly installments, for maintaining its isolating ward open at all times, ready to receive public and private patients, and in addition it received, up to the full limit of the appropriation, \$1 a day for each patient sent there by the health officer for treatment at public expense. After the appropriation was exhausted, the hospital cared for such other patients as might be sent to it, without specific payment for such service. As the total appropriation was but \$7,000, and \$4,000 was paid for the maintenance of the isolating ward independent of the treatment of patients, there remained available for payment for the treatment of free patients, \$3,000. As the total service rendered by the isolating wards to free patients during the fiscal year was 6,582 patient days, the hospital rendered 3,582 patient-days' service for persons sent to the institution by public authority, for which the hospital received no specific payment.

The contract with Providence Hospital for the maintenance of its isolating ward was similar to the contract with Garfield Memorial Hospital, except that the basic payment for the maintenance of the isolating ward in a condition ready for the admission of patients, public and private, was but \$3,000, the difference being due to the fact that the isolating ward at Providence Hospital comprises but one building, and ordinarily receives but one class of patients, while the isolating wards at Garfield Memorial Hospital occupy three buildings and care for a wide range of cases. As the amount appropriated by Congress for the maintenance of the isolating ward at Providence Hospital was but \$5,000, there remained available for payment on a per diem basis for patients sent there for treatment at public expense but \$2,000. As the total number of hospital days rendered to patients sent to the institution for treatment at public expense was 2,701, Providence Hospital rendered during the year 701 patient-day's service for patients sent to the institution by the health officer, for which the institution received no specific compensation.

For repairs and improvements to the isolating wards at Garfield Memorial Hospital there was provided in the sundry civil bill, approved July 1, 1916, \$5,500. This appropriation will enable the

institution to make during the coming year much needed repairs and improvements.

Disinfecting service.—There were disinfected during the fiscal year 1916, 2,041 premises, and 1,396 articles were removed from such premises to the disinfecting station for disinfection. The total cost of the service was \$5,985.53. The health department still has under consideration the matter of limiting, and of possibly discontinuing, terminal fumigation.

Under the provisions of the regulations for the control of disinfecting and fumigating, promulgated by the commissioners under date of April 2, 1915, two persons have registered as engaged commercially in the business of disinfecting. Four permits have been issued for the fumigation of premises by the use of cyanide gas.

Public crematorium.—During the fiscal year 1916, 569 bodies were burned at the public crematorium—150 adults, 161 infants, and 258 stillborn babies. The crematorium was in active operation on 116 days. Cremations are by means of an oil furnace, the total amount of oil consumed during the year having been 3,070 gallons. The total cost of maintenance and operation during the year was \$1,824.17, but as \$965 was collected for cremations at private expense, the net cost to the government of maintenance and operation was \$859.17. The crematorium, as heretofore reported, is in need of extensive repairs, according to a report from the municipal architect.

Bacteriological laboratory.—In the bacteriological laboratory, 17,255 specimens were examined during the fiscal year 1916. The nature of these examinations, with an analysis of the findings, is stated in the following table. The total cost of ordinary maintenance and operation during the year was \$6,801.27.

Bacteriological examinations during the fiscal year 1916.

	July to December, 1915, inclusive.			January to June 30, 1916, inclusive.			Grand total.
	Positive.	Negative.	Total.	Positive.	Negative.	Total.	
Diphtheria:							
Primary.....	439	172	4,611	322	2,970	3,292	7,903
Secondary.....	610	964	1,574	791	2,246	3,037	4,611
Sputum for tubercle bacillus.....	156	555	711	198	642	840	1,551
Typhoid:							
Widal reaction.....	166	183	349	44	177	221	570
Urine and feces.....		10	10		1	1	11
Malaria.....	22	123	145	2	60	62	207
Ophthalmia.....	2	5	7	1	2	3	10
Sputum for pneumococcus.....				1		1	1
Milk and cream.....			991			809	1,800
Milk for tubercle bacillus.....		45	45	2	46	48	93
Water.....			228			158	386
Ice cream.....			19			72	91
Miscellaneous.....			5			14	19
Blood for scarlet fever.....					1	1	
Total.....			8,695			8,559	17,255

¹Twenty-six specimens submitted for examination for malaria gave positive Widal reactions.

In order that the bacteriological laboratory may serve the public to the best possible advantage, it should be enlarged and the scope of its work extended so as to permit laboratory examinations to be made to determine the presence or absence of syphilis and gonorrhoea, without cost to the patient. It should be so organized and equipped,

too, as to enable it to make as circumstances warrant vaccines, antitoxic serums, etc., for free distribution. An additional bacteriologist should be provided so as to enable the department to do in the country where the milk is produced a part of its bacteriological work relating to milk and the water supplies of dairy farms, so as to demonstrate for the information of milk producers approved methods of milk production and handling, designed to prevent the contamination of the milk by the bacteria of disease and by the organisms that hasten its decomposition.

BUREAU OF FOOD INSPECTION.

The organization and general method of procedure of the food-inspection service underwent no change during the fiscal year 1916.

Inspection of perishable foodstuffs.—The number and kind of food producing and vending establishments in the District of Columbia, exclusive of dairy farms and dairies, during the fiscal year 1916 is shown in the following table, with corresponding data for the preceding fiscal year:

Food producing and vending establishments in the District of Columbia; number and kind on register during fiscal years 1915 and 1916, with data relative thereto.

	Registered at beginning of year.	Registered during year.	Abandoned or duplicated during year.	Registered at close of year.	Inspections.		
					Total.	Average per annum per place.	Inspections per inspector per day worked.
Total:							
1915.....	5,093	731	584	5,470	44,383	8.12	39.30
1916.....	5,470	745	383	5,832	49,978	8.57	37.72
Commission houses:							
1915.....	75	1	4	72	19,152	266.00	16.94
1916.....	72	3	2	73	16,110	220.68	12.16
Groceries:							
1915.....	2,312	444	199	2,557	8,277	3.24	7.32
1916.....	2,557	490	300	2,747	12,949	4.71	9.77
Markets:							
1915.....	10	.....	.....	10	2,719	271.90	2.41
1916.....	10	.....	.....	10	2,645	264.50	2.00
Hucksters:							
1915.....	870	9	.....	679	4,459	6.57	3.94
1916.....	679	3	.....	682	6,963	10.21	5.25
Bakeries:							
1915.....	89	8	6	91	128	1.41	.11
1916.....	91	12	6	97	117	1.21	.09
Confectioneries:							
1915.....	389	92	23	458	569	1.24	.50
1916.....	458	135	27	566	804	1.42	.61
Restaurants and lunch-rooms:							
1915.....	738	174	101	811	3,580	4.41	3.16
1916.....	811	86	33	864	3,951	4.57	2.98
Miscellaneous:							
1915.....	810	3	21	792	5,499	6.94	4.86
1916.....	792	16	15	793	6,439	8.12	4.86

Inspections of the establishments covered by the foregoing table, by the six inspectors assigned to such work, numbered 49,978. On an average, 163 places were visited each day, or approximately 27 by each inspector. An important part of the work of this service is the condemnation of perishable foodstuffs. A detailed statement of the amount and kind of foodstuffs condemned appears on pages 73 to 75.

The total cost of this service is \$6,703.87, exclusive of undistributed cost of supervision.

With a view to preventing the spread of communicable diseases, and in order to obtain, if possible, decency in public eating and drinking establishments with respect to the use of drinking cups and other similar articles used in such places by the community generally, the commissioners, under date of December 3, 1915, promulgated certain regulations to govern the common use of drinking cups and the common use of certain table and toilet articles. These regulations are printed on pages 86 to 88 in the appendix. There were the usual protests against the alleged impracticability of sterilizing such articles after each use, notwithstanding repeated demonstrations made by the health department of the feasibility of so doing. As a result of these protests the health officer was instructed by the commissioners to make no prosecutions under these regulations pending further investigations. The matter remained in this condition at the close of the fiscal year.

One hundred and forty-six prosecutions were instituted during the fiscal year against the proprietors or managers of grocery stores, lunchrooms, and similar establishments, for unclean conditions of premises, sales of unwholesome food, or other violations of regulations, and a considerable number were pending when the year began. One hundred and eleven such cases were disposed of during this period, as follows: Nolle prosequi was entered in 10 cases, 6 dismissed, personal bonds were accepted in 5 cases, fines aggregating \$268 were imposed in 37 cases, and forfeitures amounting to \$301 were accepted in 53 cases. One hundred cases were still pending at the close of the year.

Inspection of slaughterhouses.—The 21 slaughterhouses under inspection in the District were visited during the fiscal year 1916 307 times, and 51 cattle, 707 sheep, 887 calves, and 79 hogs were examined. The carcass of one of the cattle was found unfit for food and was condemned. These figures do not cover the larger slaughterhouses, engaged in interstate as well as local commerce, the inspection of which is left to the United States Bureau of Animal Industry.

The inspection of slaughterhouses is done by the inspectors engaged generally in the inspection of dairy farms and in the control of contagious diseases of animals, and the cost of one service can not be segregated from that of the others.

Supervision of dairy farms.—Between June 30, 1915, and June 30, 1916, the number of registered dairy farms shipping milk into the District of Columbia, or producing milk within the District for sale, rose from 1,161 to 1,236, and the number of cattle on such farms rose from 18,400 to 21,044. There was an increased frequency of tuberculin testing, 15,199 cattle having been tested during the year, as compared with 10,069 during the preceding year. Of cattle tested in 1916, only 4.05 per cent definitely reacted to the test or were classed as suspicious, as compared with 9.18 per cent in 1915. Inspections of dairy farms numbered 4,183, the average frequency of inspection of each farm during the year being 3.38 times. Inspections of individual cattle numbered 66,135, the average frequency of inspection of each animal being 3.14 times during the year. The details of this work are set forth in the accompanying table. Owing to distances traveled in the inspection of dairy farms, and in delays necessarily

incident to the service, the average number of farms inspected by each inspector a day was but 2.28.

Dairy farms on which milk and cream were produced for sale in the District of Columbia during the fiscal year 1916, number and distribution of, with certain data pertaining thereto, and corresponding figures for the preceding year.

	Dairy farms registered.				Cattle.			Tuberculin tested.			
	Begin- ning of year.	During year.		Close of year.	Begin- ning of year.	During year.	Close of year.	Total.	Passed.	Re- acted.	Sus- picious.
		Regis- tered.	Can- celed.								
Total:											
1915.....	1,236	334	409	1,161	19,168	779	18,400	10,069	9,145	852	72
1916.....	1,161	395	320	1,236	18,400	2,644	21,044	15,199	14,583	533	83
District of Colum- bia:											
1915.....	46	5	18	31	547	39	508	36	35	1	.....
1916.....	33	7	9	31	508	103	611	484	1,171	11	2
Maryland:											
1915.....	746	211	236	721	11,047	2,299	8,748	5,880	5,344	504	32
1916.....	721	198	172	747	8,748	1,844	10,592	5,747	5,486	249	12
Virginia:											
1915.....	393	92	105	380	6,829	1,236	8,065	3,750	3,372	338	40
1916.....	380	137	90	427	8,065	1,031	9,096	7,855	7,526	262	67
Pennsylvania:											
1915.....	26	3	23	6	144	96	240	216	211	5	.....
1916.....	6	42	23	25	240	279	519	313	307	6	.....
New York:											
1915.....	20	.....	4	16	530	160	690	.....	.....	.....	.....
1916.....	16	.....	16	.....	690	690	.....	.....	.....	.....	.....
Ohio:											
1915.....	.....	17	17	.....	.....	.....	.....	140	137	3	.....
1916.....	.....	8	8	.....	.....	.....	.....	.....	.....	.....	.....
West Virginia:											
1915.....	5	6	6	5	72	77	149	47	46	1	.....
1916.....	5	3	2	6	149	77	226	100	93	5	2

INSPECTIONS.

	Inspections of farms.	Average frequency of inspec- tions of each farm during year.	Average number of farms inspected per inspec- tor per day worked.	Inspections of cattle.	Average frequency of inspec- tion of each animal.
Total:					
1915.....	4,074	3.51	2.43	71,667	3.89
1916.....	4,183	3.38	2.55	66,135	3.14
District of Columbia:					
1915.....	372	11.27	.22	5,177	10.19
1916.....	368	11.15	.22	3,741	6.12
Maryland:					
1915.....	2,254	3.13	1.35	36,237	4.14
1916.....	2,266	3.07	1.40	35,785	3.38
Virginia:					
1915.....	1,409	3.71	.84	28,974	3.59
1916.....	1,416	3.31	.86	24,947	2.74
Pennsylvania:					
1915.....	2	.35	.001	240	1.00
1916.....	50	2.00	.003	694	1.34
New York:					
1915.....	20	1.25	.01	600	1.00
1916.....	.....	.....	.....	.....	.....
Ohio:					
1915.....	17	1.00	.001	120	1.00
1916.....	33	1.32	.002	290	1.00
West Virginia:					
1915.....	10	2.00	.006	229	2.00
1916.....	20	3.33	.001	678	3.00

The number of inspectors assigned to the inspection of dairy farms during the year was but six, and the time devoted by them to the dairy farm service was encroached upon by the time devoted to the inspection of slaughterhouses and to the control of communicable diseases of animals generally. There has been no increase in this force since 1907, notwithstanding the fact that the number of dairy farms under observation has in the meanwhile increased from 904 to 1,236, and the number of cattle from 16,172 to 21,044. The cost of the inspection of dairy farms can not be segregated from the cost of the inspection of slaughterhouses and from the cost of the work done by the department looking toward the prevention of communicable diseases among domestic animals. The cost of the entire service during the fiscal year 1916 was approximately \$9,866.32.

Supervision of dairies and milk shops.—The decrease in the number of persons registered as maintaining dairies in the District of Columbia, exclusive of those persons who distribute only such milk as is produced on their own farms, which has been heretofore noted, continued during the fiscal year 1916. At the beginning of the year there were 46 such establishments, while at the end there were but 33. Inspections of dairies during the year numbered 512, the average frequency of inspection of each establishment having been 15.51. Inspections of this character are made by an inspector who has other duties also to perform, and the cost of this particular branch of the food inspection service can not be segregated with sufficient accuracy to justify any statement concerning it.

The following table shows the nature and extent of this work in detail:

Dairies in and for the District of Columbia during the fiscal year 1915, number and distribution of, with certain data pertaining thereto, and corresponding figures for the previous year.

	Licensed at the beginning of the year.	Applications received during the year.	Permits issued during the year.	Permits surrendered during the year.	Applications rejected or withdrawn during the year.	Licensed at close of the year.	Inspections of dairies during the year.	Average number of inspections of each dairy during the year.	Average number of dairies inspected per inspector per day worked.
Total:									
1915.....	67	6	2	10	1	62	662	14.39	12.37
1916.....	62	4	4	16	1	49	512	15.51	11.82
District of Columbia:									
1915.....	46	5	2	8	1	44	659	14.02	12.38
1916.....	44	4	4	15	1	32	508	15.87	11.83
Maryland:									
1915.....	1	1	.....	1	.....	1	2	2.00	.....
1916.....	1	.....	.....	1	.....	.....	1	1.00	.....
Virginia:									
1915.....	2	.....	.....	1	.....	1	1	1.00	.....
1916.....	1	.....	.....	.....	.....	1	3	3.00	.....

¹ The inspector assigned to this work has other duties to perform also.

Chemical and bacteriological control of the milk supply.—Samples of milk were examined chemically during the year numbering in all 8,304, and of cream numbering in all 316. Details appear in the table following.

Milk and cream in the District of Columbia: Chemical examinations during the fiscal year 1916, with corresponding figures for the previous years.

Fiscal year—	Milk (8,304 samples) in 1916 containing—			Cream (316 samples) in 1916 containing—	
	Less than 3.5 per cent fat.	3 per cent fat and less.	Added water.	Less than 20 per cent fat.	18 per cent fat and less.
	<i>Per cent.</i> ¹	<i>Per cent.</i> ¹	<i>Per cent.</i> ¹	<i>Per cent.</i> ¹	<i>Per cent.</i> ¹
1911.....	7.74	1.90	1.74	66.42	23.76
1912.....	3.44	1.19	1.20	70.07	20.92
1913.....	4.89	.45	.63	64.92	12.54
1914.....	4.69	.44	.97	48.27	17.91
1915.....	7.71	3.03	.76	57.73	17.16
1916.....	8.52	.83	1.22	61.39	22.47

¹ Per cent on basis of all samples of milk or of cream, respectively, examined.

The best efforts of the health department to procure the prosecution of persons selling milk of low grade, but which has been neither skimmed nor watered, under the act entitled "An act relating to the adulteration of foods and drugs in the District of Columbia," approved February 17, 1898, have proved unavailing. The Federal food and drug act of June 30, 1906, does not clearly prescribe any penalty for such sales, and the exact relation of that act to the food and drug supply to the District of Columbia is now under investigation by the United States Supreme Court, and the work of the health department has been seriously hampered as a result.

Bacteriologically, 1,642 samples of milk were examined during the fiscal year 1916, with the results stated in the following table:

Milk and cream in the District of Columbia: Bacteriological examinations of 1,642 samples during the fiscal year 1916.

NUMBER OF SPECIMENS.

	Bacteria per cubic centimeter.				Colon group.	
	Under 10,000.	10,000 to 100,000.	100,000 to 1,000,000.	1,000,000 and over.	Present.	Absent.
1. Raw milk:						
A. From containers arriving by trolley car or train.....	3	24	18	19	22	42
B. From containers as distributed to consumers.....	90	373	315	221	344	655
2. Heated milk sold as pasteurized:						
A. From containers arriving by trolley car or train.....			4	3	4	3
B. From containers as distributed to consumers.....	171	179	126	96	172	400

PERCENTAGE OF SPECIMENS.

1. Raw milk:						
A. From containers arriving by trolley car or train.....	4.69	37.50	28.12	29.69	34.375	65.625
B. From containers as distributed to consumers.....	9.01	37.34	31.53	22.12	34.43	65.57
2. Heated milk sold as pasteurized:						
A. From containers arriving by trolley car or train.....			57.15	42.85	57.15	42.85
B. From containers as distributed to consumers.....	29.90	31.29	22.03	16.78	30.07	69.93

It has been impracticable to make any use of the bacteriological examinations of milk and cream given in the past year, except for educational purposes, because the prosecution by this department, based upon bacterial counts, instituted under the Federal food and drugs act of June 30, 1906, is still pending in the United States Supreme Court.

The grading of milk.—The grade of milk sold by each milk dealer distributing milk at retail in the District during the fiscal year 1916, computed according to the method reported by this department in its annual report for the fiscal year 1913, appears on page 85. The health department will not hereafter recognize any grades of milk as "special" until the meaning of the word is fixed by law, but will look upon the word merely as a brand placed upon the cap by any particular dealer, the value of which depends solely upon the intelligence and honesty of that dealer. Investigations by the health department appear to make it certain that at least some of the milk sold as "special" milk is in no way better than ordinary market milk, and in many instances is worse, notwithstanding the fact that the customer is charged a higher price for the milk marked "special" than for the ordinary article.

Legislation with respect to the milk supply.—Previous recommendations for the enactment of a law to govern the production and sale of milk in and for the District better than does the present law are renewed. Such a law should provide specifically for the control of pasteurization, for a temperature standard for milk, for bacterial standards, and for the grading of milk. Either by law or by regulation milk dealers who own milk cans and bottles should be better protected in the use of such containers than they are at present, and the actual sterilization of all such containers and of all milk utensils after each use should be made compulsory.

Chemical control of foods other than milk and cream.—Of foods other than milk and cream there were examined chemically during the fiscal year 1916, 481 samples. Of these, 32 were found adulterated. A detailed statement showing the nature of these analyses and the number and results in each class appears on pages 61 to 62 in the report of the chemist.

Twenty-eight cases were referred to the corporation counsel for prosecution. The net result of the year's work, however, has been to have pleas of nolle prosequi entered in two cases. Aside from these two cases, all prosecutions instituted this year, as well as those pending at the beginning of the year, remain unacted upon.

Chemical control of drugs.—In connection with the enforcement of the food and drugs law, 52 samples of drugs were examined, of which 5 were found adulterated. Prosecutions were instituted in 1 case, which is still pending. A detailed statement concerning this work appears on pages 63 to 64 in the report of the chemist.

Inspection of flour.—Heretofore the health officer has recommended the repeal of the act providing specially for the inspection of flour in the District of Columbia, entitled "An act regulating the inspection of flour in the District of Columbia," approved December 21, 1898 (30 Stat., 765). In view, however, of the growing tendency to establish commercial grades of foodstuffs by law, which was what the act named undertook to accomplish, as distinguished from standards merely of purity and wholesomeness, it is deemed best that this subject receive further study before recommending action.

BACTERIOLOGICAL LABORATORY.

The work of this laboratory is intimately related to the work of the bureau of preventable diseases and the bureau of food inspection and has been discussed in connection with both. See pages 21 to 27.

CHEMICAL LABORATORY.

The work of the chemical laboratory in so far as it relates to the enforcement of the laws and regulations for the protection of the food and drug supply has already been described. See page 27. In addition to such work, however, much miscellaneous work is done, including a considerable number of analyses for the police department and the purchasing officer. The total number of miscellaneous analyses was 355, including 160 analyses of samples of water. Fifty analyses were made for the police department and 17 for the purchasing officer. Details concerning these examinations are set forth in the report of the chemist. See pages 59 to 66.

BUREAU OF SANITARY INSPECTION.

The organization of the sanitary inspection service, now known as the bureau of sanitary inspection, remains the same as during last year.

General nuisance inspection.—Complaints were acted on during the year numbering 7,069, a daily average of 22.9, and a daily average per inspector of 2.8. These complaints required 9,226 inspections. House-to-house inspections, independent of complaints, numbered 6,279. Reinspections numbered 16,005. Calls for the sole purpose of serving notices in one inspection district for the abatement of nuisances in other such districts numbered 2,196. Calls necessarily made for the purpose of obtaining information, other than calls made for purposes of inspection or service of notices, numbered 15,605. Calls incident to the inspection of barber shops, stables, privies, laundries, and other places listed for special inspections, are not included in the figures given above. The total number of all calls, including these, was 56,191.

Violations of sanitary laws and regulations were found in 11,119 instances, but in 10,698 the objectionable conditions were corrected prior to the close of the fiscal year. Cases awaiting action at the close of the year numbered 421.

Prosecutions were instituted against 185 persons, charging violations of the laws and regulations relating to public health. The results were as follows: *Nolle prosequi* was entered in 113 cases, 7 cases were dismissed, personal bonds were taken in 28 cases, collaterals were forfeited in 2 cases, and fines were imposed in 10 cases. There were 25 cases pending at the close of the year. Fines and collaterals collected during the year amounted to \$54. The time spent by inspectors in the police court amounted to 35.75 working days.

The system so often complained of by this department, and for the discontinuance of which it has so often asked, still continues; that is, the practice of entering the plea of *nolle prosequi* in cases in which the defendant defers abating the nuisance until after the expiration of the time allowed by the health officer for so doing, and even after the service of warrant from the police court. The practice is equivalent to connivance at willful violation of law, at the expense of the

law-abiding citizen and for the advantage of the lawbreaker. If prosecutions are not to be carried to their logical conclusions the same results that are now attained could be accomplished much more promptly, efficiently, and cheaply by a direct appropriation from the public treasury for the abatement of nuisances on private property in every case in which the property owner shows any evidence of being recalcitrant.

Notices under the assessment system were served in 233 instances on nonresident owners for the abatement of nuisances on property belonging to them. In all but six cases such nuisances were abated by the owners without the necessity for further action by the health department. In the six cases in which the owners did not abate the nuisances the necessary work was done at public expense, costing \$50.20, and the cost was assessed against the property upon which the nuisances had existed.

Printing offices.—Special attention was given during the fiscal year 1916 to the improvement of sanitary conditions in the printing offices of the District. Inspections numbered 394, the average frequency of inspection of each place being 3.5 times during the year. Melting pots connected with typesetting machines have been piped, better natural light has been provided, common drinking cups and towels have been dispensed with, and in many instances there has been a noticeable improvement in the condition of basements, walls, and ceilings. Plans are being made for the continuance of this work and for its extension to other trades and callings.

Registration of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems.—The number of stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered at the close of the fiscal year 1916, and the movements of such registrations during the year is shown in the following table:

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered during the year 1915-16.

	Stables.	Barber shops.	Laundries.	Privies.	Fowl and pigeon houses.	Sewage-disposal systems.
Registered at beginning of year.....	2, 036	623	3, 787	2, 414	1, 232	124
Registered during the year.....	150	248	30	487	145	2
Abandoned during the year.....		19		160		
On the register at the close of the year.....	2, 186	852	3, 817	2, 678	1, 377	126

Smoke inspection.—The total number of plants under inspection by the smoke inspector during the fiscal year 1916 was 413. Observations numbered 8,173, and 1,286 violations of the smoke law were reported. Forty-two cases were referred to the corporation counsel for prosecution and disposed of as follows: In 21 cases fines were imposed or collaterals forfeited, personal bonds were taken in 12 cases, and in 5 cases nolle prosequi was entered. Six cases were pending at the close of the year. Fines and forfeited collaterals amounted to \$260. It is unfortunate that the practice of taking personal bonds in cases of violations of the smoke law has been begun, for it is to be feared that it marks the beginning of the emasculation of the law by judicial procedure.

Enforcement of the weed law.—Recommendations heretofore made for the enforcement of the weed law, either in its present form or in some modified form, are renewed. The existence of the law on the statute books in the absence of means for its enforcement leads continually to misunderstandings on the part of citizens and to unjust criticisms of the District government, especially of the health department.

Private hospitals and asylums.—During the fiscal year 1916 one license was granted to maintain a private hospital for human beings. The license of one private hospital for human beings was canceled, the corporation having been dissolved by order of the court. The license of another was revoked by the commissioners, but an appeal was taken, and the case is now pending in the court of appeals. The license of one private hospital for domestic animals was revoked by the commissioners. At the close of the year there were 26 licenses outstanding for private hospitals and asylums for human beings and 10 private hospitals for domestic animals. A list of these licensed establishments is printed on page 84.

Special duties of the sanitary-inspection force.—A considerable amount of time is still necessarily devoted by sanitary inspectors to work properly belonging to the contagious-disease service. This is manifestly unjust, in view of the fact that sanitary inspectors work a considerable amount of overtime, being unable to perform even the work properly pertaining to the sanitary-inspection service within the hours of duty prescribed by the commissioners for employees in the employ of the District government and by Congress for Federal employees. The amount of overtime worked by sanitary inspectors, exclusive of the supervising inspector, during the fiscal year 1916 was equal to 178 working days.

Cost of bureau of sanitary inspection.—The approximate cost of the sanitary-inspection service during the year, exclusive of smoke inspection, was \$12,838.41. The approximate cost of the smoke-inspection service was \$1,249.63.

EIGHT-HOUR LAW FOR FEMALES.

Establishments coming within the purview of the law regulating the hours of labor of females in the District of Columbia, registered at the close of the fiscal year 1916, numbered 1,830. Of these establishments 9,260 inspections were made on the initiative of inspectors and 177 inspections on the basis of complaints. Prosecutions were instituted in 23 cases. Fines were paid or collaterals forfeited in 10 cases during the year, fines and collaterals collected amounting to \$185. Personal bonds were taken in 3 cases, nolle prosequi was entered in 3 cases, and 5 cases were dismissed. Eight cases were pending at the close of the year. The delay experienced in getting cases tried by the police court and disposed of is the source of considerable embarrassment to the health department.

The case of Susan H. Hotchkiss v. District of Columbia, pending in the court of appeals at the beginning of the year, was decided on November 1, 1915 (40 D. C. Appeals, 44) in favor of the District of Columbia. In brief the court decided:

1. A dressmaker conducts a "manufacturing," although not a "mercantile," establishment within the meaning of the act of Congress of February 24, 1914, known as the eight-hour law, and which prohibits the employment of any female in any "manu-

facturing" or "mercantile" establishment for more than eight hours in any one day, when she conducts her business in the second floor of her residence, where she has five sewing machines used in making dresses; employs for the work from 5 to 10 girls; keeps on hand bolts of dress goods and other material from which dresses are made; makes dresses for customers who in some instances furnish their own material complete, while in other instances they provide no part of the material; buys dress goods from traveling salesmen; makes stock dresses for sale outside of the District by her sister, who returns those unsold to be made over; and has a sign outside of her establishment containing her name and the words "Gowns. Importer."

2. Manufacture may be defined to consist not alone of converting raw material into the manufactured article, but of converting a manufactured article into a different product.

3. A mercantile establishment is a place where the buying and selling of articles of merchandise is conducted, and the conducting of such an establishment implies operations conducted with the view of realizing the profit which comes from skillful purchase, barter, speculation, and sale.

The cost of enforcing the eight-hour law for females during the year amounted to \$4,610, exclusive of the undistributed cost of supervision. Three inspectors and one clerk are provided for this work.

THE POUND SERVICE.

The total number of animals that passed through the pound during the fiscal year 1916 was 6,892, of which 2,973 were dogs, 3,913 cats, 5 horses, and 1 coyote.

Of the dogs 1,712 were captured while running at large in violation of law, and the remainder were surrendered for destruction or quarantine by their owners or by persons having custody of them.

Of the dogs captured while unlawfully running at large 181 were tagged but not muzzled, 6 muzzled but not tagged, and 1,525 neither tagged nor muzzled. Impounded dogs were disposed of as follows: Killed, 2,422; redeemed, 360; sold, 163; and returned to owners without fee after quarantine, 11.

There was collected through the activities of the pound service during the fiscal year 1916, \$951, as follows: Fees, \$732; sales, \$210; reimbursement for food, \$9. The total cost of maintaining and operating the pound service during the fiscal year 1916 was \$4,469.85. The net cost of the service was therefore \$3,518.85.

It is greatly to be regretted that all efforts to improve the pound service through the addition of an assistant poundmaster to the force, and to provide for the safeguarding of the pound and stable at night through a watchman provided for that purpose, have failed. Recommendations heretofore made with respect to these additions to the pound force are renewed.

By reason of the continued prevalence of rabies in the District of Columbia, a detailed statement of which appears on page 17, the commissioners, August 3, 1915, again issued a proclamation requiring the muzzling of all dogs running at large during the year beginning August 10, 1915.

BUREAU OF ADMINISTRATION.

The bureau of administration is charged with the supervision and maintenance of the correspondence and files of the health department and with the general duty of bookkeeping and property accounting. The work of the bureau during the past year has been very largely increased by reason of the adoption of the flat-filing system and of new methods of property accounting.

Correspondence and files.—There were received by the health department during the fiscal year 1916, 10,146 letters and 3,588 oral complaints. Letters sent out by the department numbered 10,340. Special reports filed by employees numbered 1,299.

The organization of the clerical force for the execution of the work incident to the proper maintenance of the correspondence and files remained as during the preceding year. The total cost of the service during the year was approximately \$11,457.79.

BUREAU OF VITAL STATISTICS.

The work of the department pertaining to the registration of births, stillbirths, and deaths, and the compilation of statistics based thereon, was segregated from the general clerical work of the department in order to obtain greater dispatch and efficiency in its execution. For convenience of office organization the officers and employees and that part of the department's records and paraphernalia pertaining to this work have been designated as the bureau of vital statistics. The bureau has been placed in charge of Dr. Albert C. Patterson, who has nominally been in charge of such work since 1903.

Registration of births, stillbirths, and deaths.—By the bureau of vital statistics there were recorded during the year 6,495 deaths that occurred in the District of Columbia, and 595 deaths of persons whose bodies were brought into the District of Columbia to be disposed of. Birth certificates numbering 7,224, and stillbirth certificates numbering 425 were received and duly entered on the records of the department. It is hoped that with the further development of the bureau of vital statistics it will be possible to assign to it at east the statistical study of all reported cases of communicable and other diseases; that is, the cases that recover as well as the cases that terminate fatally.

Transcripts from records.—The appended statement shows the number and character of the transcripts from the records of births, stillbirths, deaths, and marriages issued during the year, with the names of the officers and government agencies generally to whom transcripts have been issued without payment of fees.

Transcripts from the records of births, stillbirths, deaths, and marriages issued during the fiscal year 1916.

Issued without fee.	Deaths.	Births.	Marriages.	Total.
Commissioner of Pensions.....	116	3	8	127
Board of children's guardians.....	1	1		2
State Department.....	1	1		1
Police department.....	6	3		9
Adjutant and inspector, U. S. Marine Corps.....	1			1
Fire department.....	5			5
Corporation counsel.....	1			1
Director, Bureau of Printing and Engraving.....	1			1
Adjutant General, War Department.....	1			1
Juvenile court.....	2	1		3
Issued without fee.....	134	9	8	151
Issued with fee.....	838	186	4	1,028
Total.....	972	195	12	1,179

Received from transcripts, \$514.

Registration of physicians, dentists, undertakers, and midwives.—The registration of physicians, undertakers, and midwives is so intimately connected with the registration of deaths and births, and with the issue and return of burial permits, that the custody of the registers pertaining to these classes was naturally intrusted to the bureau of vital statistics. The similar register pertaining to dentists was therefore also given over to that branch of the department. The following table shows the registration during the year of all of the classes named:

Physicians, dentists, undertakers, and midwives registered during the fiscal year 1916.

	On register June 30, 1915.	Registered during the year.	Known deaths dur- ing year.	On register June 30, 1916.
Physicians	1,819	173	22	1,870
Dentists	828	39	.....	867
Undertakers	242	47	.....	286
Midwives	93	.....	1	92

¹ Licenses registered, 6 series B, 57 series C. Registered without licenses, Navy 3, Army 6, Public Health Service 1.

Cemeteries and crematories.—There was no change in the number or location of the cemeteries and crematories in the District during the fiscal year 1916.

Permit and complaint office.—As an office for the issue of burial and removal permits, under the bureau of vital statistics, has to be kept open from 9 o'clock a. m. until 11 o'clock p. m. every day in the year, the duty of receiving and entering oral and telephonic complaints of all kinds has been assigned to that office, for the convenience of the public and of the department. The work, of course, has nothing to do directly with the registration of vital statistics. The number of oral complaints received and entered during the fiscal year 1916 was 3,588.

Cost.—The cost of maintaining and operating the bureau of vital statistics during the year was approximately \$5,102.85. Fees for the issue of transcripts amounted to \$514. The net cost of the bureau during the year was therefore \$4,588.85.

LEGISLATION.

The following laws, regulations, and general orders of the commissioners pertaining to the work of the health department, were enacted or promulgated during the fiscal year 1916:

A proclamation of the commissioners, dated August 3, 1915, requiring all dogs in the District of Columbia to be muzzled while running at large, for one year from August 10, 1916.

Regulations promulgated December 3, 1915, to govern the common use of drinking cups, towels, and similar articles, and certain table and toilet articles in the District of Columbia.

The regulations referred to above are printed in the appendix.

PERSONNEL.

Dr. Robert L. Lynch, chemist, health department, died on March 26, 1916, and Mr. Morris A. Pozen was appointed to succeed him. Dr. Lynch had served the department since 1899, and had served in the capacity of chemist for the department since 1905. His work was faithfully and well done, and in his death the department sustained a distinct loss.

The general work and spirit of the officers and employees in the service of the health department during the period covered by this report has been excellent. That it should continue so year after year is evidence of the character of the men and women in the service, and is not to be attributed to anything that the District government does for them to hold their interest and loyalty or to stimulate their energy. Underpayment for services rendered is the rule rather than the exception, and yet there is probably no other branch of the District government in which the officers and employees devote, without complaint, so much extra time to the discharge of their duties. No provision is made for longevity pay, and as a matter of fact the officers and employees continue in service only through the good will of the commissioners and not because of any security of tenure afforded them by law. No provision is made for their retirement when worn out in the line of duty, nor is any provision made even for retirement on pensions if disabled in that manner. On the whole, I believe that the District government is fortunate in having in its service such a corps of men, especially in view of the absence of any substantial evidence of interest in their welfare on the part of the government such as will enable them better to provide for themselves and their families now, and to look forward with greater equanimity to that time when they are no longer able to support themselves by daily toil.

Respectfully,

WM. C. WOODWARD, M. D.,
Health officer.

To the COMMISSIONERS DISTRICT OF COLUMBIA.

APPENDIXES
TO THE
REPORT OF THE HEALTH OFFICER
OF THE
DISTRICT OF COLUMBIA.

The publication of these reports as appendixes to the report of the health officer is not to be construed to mean that the opinions and recommendations set forth in them have been adopted by the health department.



APPENDIX A.

REPORT OF CHIEF MEDICAL INSPECTOR.

OCTOBER 6, 1916.

Dr. WILLIAM C. WOODWARD,
Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the following report for the fiscal year ended June 30, 1916, of work done in the contagious-disease service, disinfecting service, and the public crematorium. The figures relating to administrative matters cover the fiscal year named. Those relating to morbidity and mortality cover primarily the calendar year 1915, but these are supplemented by figures covering the first half of the calendar year 1916.

COMMUNICABLE DISEASES.

Figures showing the prevalence and fatality of each of the reportable diseases will be found on page 42. There was a decrease in the number of reported cases of smallpox, chicken pox, epidemic cerebrospinal meningitis and anterior poliomyelitis and an increase of diphtheria, scarlet fever, measles, whooping cough, typhoid fever, pellagra, and tuberculosis.

Diphtheria.—During the calendar year 1915, 644 cases of diphtheria were reported, with 28 deaths, as against 452 cases and 31 deaths in the preceding year. Eight institutional outbreaks occurred as follows, a very large percentage of cases reported being, however, carrier cases:

Institution.	Beginning of outbreak.	Cases.	Deaths.
Washington Orphan Asylum.....	Feb. 3	6	.....
Children's Hospital.....	Feb. 20	5	.....
Freedman's Hospital.....	July 6	5	.....
National Home for Destitute Colored Women and Children.....	Aug. 25	7	.....
Home for Colored Children.....	Nov. 10	5	1
Washington Asylum Hospital.....	Nov. 4	50	.....
Children's Hospital.....	Dec. 3	27	1
National Training School for Boys ¹	Nov. 27	98	.....

¹ The outbreak had not entirely ceased at close of calendar year.

Much might be done to prevent outbreaks of diphtheria in institutions if those in charge would make a practice of taking cultures from all new patients upon their admission, and pending the examination of such culture to isolate such patients. Should they be found to be carriers of diphtheria bacilli, that fact would be discovered before much harm could result.

On two or more previous occasions I recommended that the regulations now in force for preventing the spread of diphtheria be amended so as to require persons residing in houses where diphtheria exists to have cultures taken from their throats as soon as practicable after the cases are discovered. It is believed that the prompt taking of cultures from all members of households in which diphtheria is found to exist, will in many cases lead to the discovery of "carrier cases" and immediate steps can then be taken to isolate such persons. I

recommended also that the last culture taken from a person suffering from diphtheria, with a view to releasing him from quarantine, be taken by a medical inspector of the health department.

The adoption of these recommendations, it is believed, will aid in preventing the spread of diphtheria in this District, and I again renew my former recommendation.

From January 1 to June 30, 1916, 356 cases of diphtheria, with 19 deaths, were reported, as against 141 cases with 6 deaths for the corresponding period of the preceding year. It will be observed that not only did the number of cases increase, but the percentage of fatalities also from 4.3 in 1915 to 5.4 in 1916.

During the calendar year 1915, 8,283 cultures were submitted for examination to determine the presence or absence of diphtheria bacilli. Of these, 6,001 were primary cultures, and of this number 557, or 9.3 per cent, were found to be positive.

Scarlet fever.—During the calendar year 1915, 794 cases of scarlet fever with 8 deaths were reported, an increase of 483 cases and 7 deaths over last year. The percentage of deaths to cases rose from 0.3 to 1.

From January 1 to June 30, 1916, 309 cases and 6 deaths were reported, as against 625 cases and 8 deaths for the corresponding period of the preceding year.

Typhoid fever.—The number of cases of typhoid fever reported from January 1 to December 31, 1915, was 359, an increase of 19 cases over the preceding year. Forty-two cases, or 11.7 per cent, terminated fatally, the percentage of fatalities during the preceding year having been 13 per cent. The increase in the cases reported in 1915 was disappointing. For a number of years there had been a steady decline, and why this increase occurred I am unable to explain. There was no milk or institutional outbreak noted during the year.

Provision should be made whereby the health department might give antityphoid treatment to such persons as may apply for it, but with the present limited appropriation available for its work this can not be done. The limitation on the amount that can be expended for personal services, contained in the contagious-disease appropriation, prevents the department from availing itself of the authority given it at the last session of Congress to carry on this work. Unless Congress will remove the limitation for personal services in the contagious disease appropriation the service can hardly hope to do more than at the present time in its efforts to prevent the spread of typhoid fever. With a more liberal appropriation for the contagious-disease service the department could send competent inspectors or trained nurses into houses where cases of typhoid fever exist, to encourage and require better compliance with the regulations relating to isolation and disinfection, which up to the present time it has not been able to do. It is earnestly hoped that funds may be made available to enable the department to do this important work.

Investigation of 359 reported cases of typhoid fever gave the following information:

Contracted outside of the District of Columbia.....	123
Contracted probably outside of the District of Columbia.....	16
Contracted from other cases.....	5
Contracted probably from other cases.....	2
Contracted from sources unknown.....	212
Contracted where no information was obtained.....	1
Total.....	359

The source of water supply used by these patients was as follows:

Potomac water exclusively.....	198
Potomac and other waters.....	5
Well water.....	7
Spring water.....	2
Total.....	212

In only 13.9 per cent of the cases in which information was obtainable were the premises well screened, 3.6 per cent had eaten raw oysters, 22.6 per cent had eaten raw vegetables, and 3.6 per cent had bathed in the river and other public bathing places within the ordinary period of incubation.

From January 1 to June 30, 1916, 91 cases of typhoid fever were reported, with 16 deaths, as against 70 cases and 12 deaths for the corresponding period of last year. There was an increase of 21 reported cases and the percentage of deaths to cases increased from 17 in 1915 to 17.6 in 1916.

Smallpox.—From January 1 to December 31, 1915, 15 cases of smallpox were reported, all of which recovered. These figures show a large decrease from the previous year, when 150 cases were reported. During the first six months of 1916, only 1 case was reported.

During the fiscal year 1916 the smallpox hospital was open 80 days and 8 patients were treated, the total number of patient days being 88. The average number of patients per day during the period when the hospital was in active quarantine was 1.1 and for the year 0.2. The average days per patient was 11. The vaccination histories obtained from the patients treated were as follows:

Never vaccinated.....	6
Never successfully vaccinated.....	2
Total.....	8

The quarantine station was open 117 days during the fiscal year, during which time 8 persons were admitted. The total number of inmate days was 123 and the average number of inmates per day for the period when the quarantine station was in active operation was 1.05 and for the year 0.3. The average number of days per inmate was 15.4.

During the fiscal year just closed the smallpox hospital and administration building were painted both inside and outside. The old style plumbing fixtures located in these buildings were removed and replaced with a modern type of fixtures. The buildings are now in good condition. The quarantine station is badly in need of painting inside and outside, but no funds will be available to have this work done until the appropriation bill now pending in Congress is passed.

Whooping cough.—During the calendar year 1915, 674 cases of whooping cough were reported, with 19 deaths, as against 537 cases and 18 deaths during the previous year.

In April, 1916, an epidemic of whooping cough began, which has continued practically unabated to the time of writing this report (Aug. 15, 1916) and has resulted in the report of 1,378 cases. Many cases of whooping cough, I believe, are never reported to the health department. The recent epidemic has shown that many parents do not employ physicians to treat their children, and not knowing that

in the absence of physicians they themselves are required by law to report the cases they fail to do so. Many parents allow their children to run at large, also in violation of existing regulations. It is not possible for the health department to keep a very close supervision over these cases, owing to the limited force at its disposal, and, as stated before in this report, it can not hope to do more until sufficient funds are provided for the employment of additional inspectors.

Tuberculosis.—From January 1 to December 31, 1915, 1,095 cases of tuberculosis were reported, with 734 deaths, and during the previous year 1,057 cases and 652 deaths.

During the first six months of the calendar year 1916, 560 cases and 353 deaths were reported, as against 610 cases and 386 deaths for the corresponding period of the previous year.

In my report of last year I called attention to the fact that the act relating to tuberculosis in the District of Columbia requires premises vacated by persons suffering from the communicable form of that disease to be properly disinfected before being occupied by persons not suffering from the same disease. While I believe the department is kept better informed than heretofore of the removal of patients from one building or apartment to another, many patients still vacate premises without notification to the department, and consequently no disinfection is done. If funds were available to enable the department to employ inspectors to visit at more or less regular intervals the homes of all patients reported as having tuberculosis, the removal of any such patient would be promptly discovered and the necessary disinfection arranged for. The one inspector, who is a graduate nurse, appointed to visit homes where tuberculosis patients reside, is doing good work along this line, instructing these persons in home and personal hygiene.

Pellagra.—During the calendar year 1915, 22 cases of pellagra were reported, 6 being white and 16 colored. Five of the white and 11 of the colored patients died.

From January 1 to June 30, 1916, 8 cases were reported, as against 11 cases for the corresponding period of last year.

Leprosy.—There were no new cases of leprosy reported during the calendar year 1915, nor during the first six months of the year 1916. The department still has one case of leprosy under its care. It seems a gross injustice to burden the District with the expenses of caring for this patient when he was not a resident of the District and has no claim on it. Every effort has been made by the health department to be relieved of this burden, but without success.

Acute anterior poliomyelitis.—During the calendar year 1915, 6 cases of poliomyelitis were reported, with 2 deaths.

From January 1 to June 30, 1916, 2 cases were reported, while during the corresponding period of last year 1 case was reported.

ISOLATING WARDS.

The following table shows the number of patients treated at Garfield Memorial and Providence Hospitals and the disease for which said patients were treated, together with the total number of patient days during the fiscal year 1915-16:

Service rendered by the isolating wards of Garfield Memorial and Providence Hospitals during the fiscal year 1915-16.

Diseases treated.	Cases treated at public expense.				Private cases.			
	Number of patients.		Hospital days.		Number of patients.		Hospital days.	
	Garfield.	Providence.	Garfield.	Providence.	Garfield.	Providence.	Garfield.	Providence.
Chickenpox.....	1	1	15	1				
Diphtheria.....		147	257	2,608		63	45	1,049
Diphtheria and scarlet fever.....	2		6		3	1		2
Epidemic cerebrospinal meningitis.....	5		65		1		17	
Erysipelas.....	5		65		5		81	
Measles.....	30	1	355	11	5		50	
Measles suspect.....						1		10
Scarlet fever.....	139		5,336		75		2,248	
Scarlet fever and erysipelas.....	1		28					
Scarlet fever and chicken pox.....	2		42					
Suspected diphtheria.....		26		75		9		27
Suspected scarlet fever.....	7		98		2		18	
Whooping cough.....	11	1	364	6		1		6
Suspected whooping cough.....	1		16					
Total.....	204	176	6,582	2,701	91	75	2,459	1,094

DISINFECTING SERVICE.

During the fiscal year 1916, 2,041 premises were disinfected for the following diseases: Diphtheria, 498; scarlet fever, 490; smallpox, 7; tuberculosis, 1,025; epidemic cerebrospinal meningitis, 7; typhoid fever, 7; anterior poliomyelitis, 5; erysipelas, 1; pneumonia, 1.

The following articles were disinfected at the disinfecting station: Blankets, 56; bolsters, 5; books, 1,020; cushions, 30; feather beds, 5; matting, 3; portieres, 7; pillows, 125; quilts, 43; rugs, 39; mattresses, 63; total, 1,396.

The necessity for terminal fumigation after infectious diseases is being carefully considered.

I am of the opinion that terminal fumigation is not so essential as it has heretofore been supposed, and I believe it might be discontinued in the District without detriment to the health of the community. I prefer, however, before recommending such a radical change to ascertain the experience of other cities.

PUBLIC CREMATORY.

During the fiscal year 1915-16 569 bodies were cremated, 150 of adults, 161 of infants, and 258 of stillborn children. The total cost of maintaining the crematory for the fiscal year 1916, including personal repairs, supplies, etc., was \$1,824.17.

Estimating the bodies of 161 infants as equivalent to 13 adult bodies, and excluding stillborn children altogether, an equivalent of 163 adult bodies were cremated. Figured on 163 adult bodies, the cost of cremation for an adult body was \$11.13. Fees collected for private cremation during the fiscal year amounted to \$965. Deducting this amount from the total cost of maintenance, the net cost to the Government for the maintenance of the crematory was \$859.17, and the cost of cremating each adult body required to be buried at public expense was \$5.27.

RECOMMENDATIONS.

I again renew my recommendations for a water main to provide fire protection for the smallpox hospital, and a new stable at the same institution. The water main is urgently needed. The only fire protection afforded at the present time is a fire hydrant located about 1,200 feet away and two or three small fire extinguishers distributed throughout the building. The present so-called stable is a disgrace, and should be replaced by a suitable structure without further delay.

The usual tables accompany this report.

Respectfully,

W. C. FOWLER, M. D.,
Chief Medical Inspector.

TABLE 1.—Prevalence and severity of reportable diseases from Jan. 1, 1915, to June 30, 1916, with comparative figures for previous years.

	Cases reported.			Case rate per 100,000 of population.			Deaths.			Percentage of fatal cases.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
Anterior poliomyelitis: ¹												
1912.....	6	4	10	2.4	3.0	2.5	.....	4	4	.....	100.0	40.0
1913.....	4	1	5	1.6	1.0	1.4	0	0	0	0	0	0
1914.....	6	2	8	2.3	2.0	2.3	0	1	1	0	50.0	12.5
1915.....	4	2	6	1.6	2.0	1.7	0	2	2	0	100.0	33.3
January to June, inclusive—												
1915.....	1	0	1	.....	.....	.....	0	0	0	0	0	0
1916.....	1	1	2	.....	.....	.....	0	0	0	0	0	0
Epidemic cerebrospinal meningitis:												
1907-1910.....	8.25	6.25	15.5	3.6	7.0	4.6	5.75	4.5	10.25	65.7	66.6	66.1
1911.....	4	1	5	2.7	1.0	2.3	4	.....	4	57.1	.....	50.0
1912.....	4	3	7	1.6	3.0	2.0	3	1	4	75.0	33.3	57.1
1913.....	3	1	4	1.2	1.0	1.1	2	1	3	66.6	100.0	75.0
1914.....	4	4	8	1.6	4.1	2.3	2	3	5	50.0	75.0	62.5
1915.....	4	1	5	1.5	1.0	1.4	4	1	5	100.0	100.0	100.0
January to June, inclusive—												
1915.....	3	0	3	.....	.....	.....	3	0	3	.....	.....	100.0
1916.....	3	2	5	.....	.....	.....	2	2	4	66.6	100.0	80.00
Chicken pox:												
1907-1910.....	478.2	103.2	581.5	196.8	106.3	171.0	.25	.....	.25	.05	.....	.4
1911.....	411	160	571	160.6	162.2	161.3	.....	.....	.....	.....	.....	.....
1912.....	689	183	872	271.0	195.6	247.0	.....	.....	.....	.....	.....	.....
1913.....	906	186	1,092	355.1	189.5	309.1	0	0	0	0	0	0
1914.....	830	201	1,031	324.1	205.9	291.5	0	0	0	0	0	0
1915.....	295	133	933	307.0	139.7	260.8	0	0	0	0	0	0
January to June, inclusive—												
1915.....	605	89	694	.....	.....	.....	0	0	0	0	0	0
1916.....	691	223	914	.....	.....	.....	0	0	0	0	0	0
Diphtheria:												
1907-1910.....	391.2	59.2	450.4	166.2	61.2	133.5	23.4	7.8	31.2	6.0	13.2	6.9
1911.....	428	90	518	167.3	91.7	146.3	16	3	19	3.7	3.3	3.7
1912.....	451	79	530	121.1	86.1	111.4	15	.....	15	4.9	.....	3.8
1913.....	451	79	530	176.7	80.5	150.0	21	4	25	4.7	5.1	4.7
1914.....	367	85	452	143.3	87.1	137.8	24	7	31	6.6	8.2	6.9
1915.....	459	185	644	177.3	187.2	180.0	21	7	28	4.6	3.8	4.3
January to June, inclusive—												
1915.....	130	11	141	.....	.....	.....	5	1	6	3.8	9.1	4.3
1916.....	246	110	356	.....	.....	.....	14	5	19	5.7	4.5	5.3
Leprosy:												
1914.....	1	0	1	.4	0	.3	0	0	0	0	0	0
1915.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
January to June, inclusive—												
1915.....	0	0	0	0	0	0	0	0	0	0	0	0
1916.....	0	0	0	0	0	0	0	0	0	0	0	0

¹ Cases not reported until July 1, 1911.

TABLE 1.—Prevalence and severity of reportable diseases from Jan. 1, 1915, to June 30, 1916, with comparative figures for previous years—Continued.

	Cases reported.			Case rate per 100,000 of population.			Deaths.			Percentage of fatal cases.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
Measles:												
1907-1910.....	1,727.2	366.2	2,093.4	700.5	377.1	615.5	8.2	3.4	11.6	0.5	1.0	0.6
1911.....	2,813	635	3,448	1,099.5	646.8	974.0	15	7	22	.5	1.1	.6
1912.....	1,146	492	1,638	450.7	498.6	464.1	5	3	8	.4	.4	.5
1913.....	4,749	964	5,713	1,862.2	982.2	1,617.1	17	7	24	.4	0.7	0.4
1914.....	673	274	947	262.8	280.7	267.8	0	1	1	0	.4	.1
1915.....	1,557	383	1,940	601.3	387.6	542.3	4	1	5	.3	.3	.3
January to June, inclusive—												
1915.....	1,339	306	1,645	.....	.....	.....	4	1	5	.3	.3	.3
1916.....	1,954	202	2,156	.....	.....	.....	2	2	4	.1	.1	.2
Pellagra: ¹												
1913.....	0	4	4	0	4.1	1.1	0	4	4	0	100.0	100.0
1914.....	6	15	21	2.3	15.1	5.9	2	14	14	33.3	80.0	66.6
1915.....	6	16	22	2.3	16.2	6.1	5	11	16	83.3	68.7	72.7
January to June, inclusive—												
1915.....	1	10	11	.....	.....	.....	1	8	9	100.0	80.0	81.8
1916.....	5	3	8	.....	.....	.....	5	1	6	100.0	33.3	75.0
Scarlet fever:												
1906-1910.....	480.2	46.4	526.4	199.5	48.0	154.9	9.0	2.2	11.2	1.9	4.7	2.1
1911.....	250	21	271	97.7	21.4	76.5	4	.....	4	1.6	.....	1.5
1912.....	234	25	259	92.0	25.3	73.4	4	.....	4	1.7	.....	1.5
1913.....	503	53	556	197.1	54.0	157.4	13	.....	14	2.6	1.9	2.5
1914.....	294	17	311	114.8	17.4	87.9	1	0	1	.3	0	.3
1915.....	728	66	794	281.1	66.8	221.9	7	1	8	.96	1.5	1.0
January to June, inclusive—												
1915.....	566	38	604	.....	.....	.....	7	1	8	1.2	2.6	1.3
1916.....	275	34	309	.....	.....	.....	5	1	6	1.8	2.9	1.9
Smallpox:												
1906-1910.....	28.6	52.8	81.4	11.1	54.6	24.1	.4	.7	.6	1.4	.4	.7
1911.....	23	13	36	9.0	13.2	10.2	.....	.....	.....	.....	.....	.....
1912.....	2	7	9	.8	7.1	2.6	.....	.....	.....	.....	.....	.....
1913.....	11	129	140	4.3	131.4	39.6	0	0	0	0	0	0
1914.....	53	97	150	20.7	99.4	42.4	0	0	0	0	0	0
1915.....	8	7	15	3.1	7.1	4.2	0	0	0	0	0	0
January to June, inclusive—												
1915.....	2	6	8	.....	.....	.....	0	0	0	0	0	0
1916.....	0	1	1	.....	.....	.....	0	0	0	0	0	0
Tuberculosis:												
1908-1910.....	570.3	637.3	1,207.3	231.7	654.1	351.5	277.0	392.7	677.7	61.6	61.6	55.5
1911.....	580	644	1,224	226.7	656.0	345.7	351	451	802	60.5	70.0	65.5
1912.....	577	635	1,212	223.0	643.5	343.4	326	464	790	56.5	73.1	65.2
1913.....	597	584	1,181	234.0	595.0	334.2	338	421	759	56.6	72.1	64.3
1914.....	529	528	1,057	206.6	540.9	298.9	263	389	652	49.7	73.7	61.7
1915.....	552	543	1,095	213.2	549.5	306.1	312	422	734	56.5	77.7	67.0
January to June, inclusive—												
1915.....	321	289	610	.....	.....	.....	166	220	386	51.7	76.1	63.3
1916.....	275	285	560	.....	.....	.....	148	205	353	53.8	71.9	63.0
Typhoid fever:												
1906-1910.....	660.2	236.8	897.0	274.3	244.9	265.9	72.6	46.4	19.0	11.0	19.6	13.0
1911.....	491	168	659	191.9	171.1	186.1	46	24	70	9.4	14.3	10.6
1912.....	400	185	585	157.3	187.5	165.8	48	28	76	12.0	15.1	13.0
1913.....	346	115	461	135.6	117.2	130.5	32	21	53	9.2	18.3	11.3
1914.....	230	110	340	89.8	112.7	96.1	17	27	44	7.4	24.5	13.0
1915.....	250	109	359	96.5	110.3	100.3	20	22	42	8.0	20.2	11.7
January to June, inclusive—												
1915.....	42	29	71	.....	.....	.....	6	6	12	14.3	20.7	17.0
1916.....	68	23	91	.....	.....	.....	10	6	16	14.7	26.0	17.6
Whooping cough:												
1907-1910.....	358.2	148.2	506.4	147.4	152.6	148.9	9.6	20.0	29.6	2.7	13.5	5.4
1911.....	462	139	601	180.6	141.6	169.8	14	13	27	3.0	9.3	4.5
1912.....	1,088	390	1,478	427.9	395.2	418.8	20	44	64	1.8	11.3	4.3
1913.....	162	157	319	63.5	160.0	90.3	3	13	16	1.9	8.3	5.0
1914.....	424	113	537	165.6	115.8	151.8	5	13	18	1.2	11.5	3.3
1915.....	489	185	674	188.8	187.3	188.4	9	10	19	1.8	5.4	2.8
January to June, inclusive—												
1915.....	272	50	322	.....	.....	.....	6	6	12	2.2	12.0	3.7
1916.....	541	244	785	.....	.....	.....	5	11	16	.9	4.5	2.0

¹Cases not reported until July 1, 1913.

TABLE 2.—*Diphtheria: Reported cases by race and by month during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	33	1	3	1	36	2
February.....	23	1	2	0	25	1
March.....	23	1	1	0	24	1
April.....	20	2	0	0	20	2
May.....	23	0	2	0	25	0
June.....	8	0	1	0	9	0
July.....	10	3	7	1	17	4
August.....	7	0	10	0	17	0
September.....	12	0	8	1	20	1
October.....	43	3	11	2	54	5
November.....	109	5	50	2	159	7
December.....	148	5	90	0	238	5
Total.....	459	21	185	7	644	28

In addition to the above, 1 death occurred in April from croup.

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	77.3	187.2	180.0
Percentage of deaths to cases.....	4.6	3.8	4.3

TABLE 3.—*Diphtheria: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	10	1	10.0	9	1	11.1	1	0	0.0
1 to 4 years.....	95	10	10.5	84	8	9.5	11	2	18.2
5 to 9 years.....	185	13	7.0	160	11	6.9	25	2	8.0
10 to 19 years.....	215	4	1.9	124	1	.8	91	3	3.3
20 to 29 years.....	64	0	.0	40	0	.0	24	0	.0
30 to 39 years.....	35	0	.0	24	0	.0	11	0	.0
40 to 49 years.....	21	0	.0	12	0	.0	9	0	.0
50 to 59 years.....	5	0	.0	2	0	.0	3	0	.0
60 to 69 years.....	6	0	.0	2	0	.0	4	0	.0
Over 70 years.....	8	0	.0	2	0	.0	6	0	.0
Total.....	644	28	4.3	459	21	4.6	185	7	3.8

TABLE 4.—*Scarlet fever: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	70	1	0	0	70	1
February.....	93	2	5	0	98	2
March.....	118	1	7	0	125	1
April.....	118	2	16	0	134	2
May.....	99	1	5	0	104	1
June.....	89	0	5	1	94	1
July.....	24	0	8	0	32	0
August.....	4	0	1	0	5	0
September.....	10	0	4	0	14	0
October.....	19	0	7	0	26	0
November.....	35	0	3	0	38	0
December.....	49	0	5	0	54	0
Total.....	728	7	66	1	794	8

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	281.1	66.8	221.9
Percentage of deaths to cases.....	0.96	1.5	1.0

TABLE 5.—*Scarlet fever: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	1	0	0.0	0	0	0.0	1	0	0.0
1 to 4 years.....	121	3	2.5	104	3	2.9	17	0	.0
5 to 9 years.....	347	1	.3	320	1	.3	27	0	.0
10 to 19 years.....	259	2	.8	240	1	.4	19	1	5.3
20 to 29 years.....	37	2	5.4	36	2	5.6	1	0	.0
30 to 39 years.....	19	0	.0	18	0	.0	1	0	.0
40 to 49 years.....	8	0	.0	8	0	.0	0	0	.0
50 to 59 years.....	1	0	.0	1	0	.0	0	0	.0
60 to 69 years.....	1	0	.0	1	0	.0	0	0	.0
Over 70 years.....	0	0	.0	0	0	.0	0	0	.0
Total.....	794	8	1.0	728	7	.96	66	1	1.5

TABLE 6.—*Measles: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	48	0	21	0	69	0
February.....	75	0	31	0	106	0
March.....	126	0	48	0	174	0
April.....	355	2	75	0	430	2
May.....	418	1	67	0	485	1
June.....	316	1	66	1	382	2
July.....	136	0	17	0	153	0
August.....	39	0	11	0	50	0
September.....	9	0	2	0	11	0
October.....	9	0	3	0	12	0
November.....	2	0	12	0	14	0
December.....	24	0	30	0	54	0
Total.....	1,557	4	383	1	1,940	5

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	601.3	387.6	542.3
Percentage of deaths to cases.....	.3	.3	.3

TABLE 7.—*Measles: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	69	2	2.9	53	2	3.8	16	0	0
1 to 4 years.....	684	2	.3	556	1	.2	128	1	.8
5 to 9 years.....	982	1	.1	808	1	.1	174	0	0
10 to 19 years.....	145	0	0	100	0	0	45	0	0
20 to 29 years.....	45	0	0	27	0	0	18	0	0
30 to 39 years.....	14	0	0	13	0	0	1	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	1	0	0	0	0	0	1	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	1,940	5	.3	1,557	4	.3	383	1	.3

TABLE 8.—*Whooping cough: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	15	0	4	0	19	0
February.....	29	1	3	0	32	1
March.....	55	1	17	1	72	2
April.....	53	3	15	3	68	6
May.....	72	1	6	0	78	1
June.....	54	0	5	2	59	2
July.....	58	1	20	0	78	1
August.....	27	1	18	0	45	1
September.....	54	0	48	2	102	2
October.....	37	1	16	0	53	1
November.....	15	0	13	1	28	1
December.....	20	0	20	1	40	1
Total.....	489	9	185	10	674	19

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	188.8	187.3	188.4
Percentage of deaths to cases.....	1.8	5.4	2.8

TABLE 9.—*Whooping cough: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	72	10	13.9	48	4	8.3	24	6	25.0
1 to 4 years.....	315	9	2.9	234	5	2.1	81	4	4.9
5 to 9 years.....	202	0	0	160	0	0	42	0	0
10 to 19 years.....	59	0	0	24	0	0	35	0	0
20 to 29 years.....	10	0	0	8	0	0	2	0	0
30 to 39 years.....	7	0	0	7	0	0	0	0	0
40 to 49 years.....	3	0	0	2	0	0	1	0	0
50 to 59 years.....	3	0	0	3	0	0	0	0	0
60 to 69 years.....	3	0	0	3	0	0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	674	19	2.8	489	9	1.8	185	10	5.4

TABLE 10.—*Chicken pox: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	113	0	9	0	122	0
February.....	128	0	10	0	138	0
March.....	106	0	9	0	115	0
April.....	99	0	22	0	121	0
May.....	76	0	20	0	96	0
June.....	84	0	19	0	103	0
July.....	21	0	5	0	26	0
August.....	5	0	2	0	7	0
September.....	1	0	1	0	2	0
October.....	16	0	4	0	20	0
November.....	60	0	5	0	65	0
December.....	86	0	32	0	118	0
Total.....	795	0	138	0	933	0

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	307.0	139.7	260.8
Percentage of deaths to cases.....	.0	.0	.0

TABLE 11.—*Chicken pox: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	32	0	0	20	0	0	12	0	0
1 to 4 years.....	213	0	0	165	0	0	38	0	0
5 to 9 years.....	494	0	0	441	0	0	53	0	0
10 to 19 years.....	158	0	0	133	0	0	25	0	0
20 to 29 years.....	37	0	0	30	0	0	7	0	0
30 to 39 years.....	9	0	0	6	0	0	3	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	933	0	0	795	0	0	138	0	0

TABLE 12.—*Smallpox: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	0	0	0	0	0	0
February.....	0	0	0	0	0	0
March.....	0	0	1	0	1	0
April.....	1	0	1	0	2	0
May.....	1	0	2	0	3	0
June.....	0	0	2	0	2	0
July.....	4	0	0	0	4	0
August.....	0	0	1	0	1	0
September.....	0	0	0	0	0	0
October.....	0	0	0	0	0	0
November.....	2	0	0	0	2	0
December.....	0	0	0	0	0	0
Total.....	8	0	7	0	15	0

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	3.1	7.1	4.2
Percentage of deaths to cases.....	.0	.0	.0

TABLE 13.—*Smallpox: ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	0	0	0	0	0	0	0	0	0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	1	0	0	1	0	0	0	0	0
10 to 19 years.....	3	0	0	2	0	0	1	0	0
20 to 29 years.....	5	0	0	3	0	0	2	0	0
30 to 39 years.....	5	0	0	2	0	0	3	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	1	0	0	0	0	0	1	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	15	0	0	8	0	0	7	0	0

TABLE 14.—*Epidemic cerebrospinal meningitis: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	1	1	0	0	1	1
February.....	0	0	0	0	0	0
March.....	1	1	0	0	1	1
April.....	0	0	0	0	0	0
May.....	1	1	0	0	1	1
June.....	0	0	0	0	0	0
July.....	0	0	0	0	0	0
August.....	0	0	0	0	0	0
September.....	0	0	0	0	0	0
October.....	1	1	0	0	1	1
November.....	0	0	1	1	1	1
December.....	0	0	0	0	0	0
Total.....	4	4	1	1	5	5

In addition to the above 1 death occurred in January, the case being reported in December, 1914.

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	1.5	1.0	1.4
Percentage of deaths to cases.....	100.0	100.0	100.0

TABLE 15.—*Epidemic cerebrospinal meningitis: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	3	3	100.0	2	2	100.0	1	1	100.0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	0	0	0	0	0	0	0	0	0
10 to 19 years.....	1	1	100.0	1	1	100.0	0	0	0
20 to 29 years.....	1	1	100.0	1	1	100.0	0	0	0
30 to 39 years.....	0	0	0	0	0	0	0	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	5	5	100.0	4	4	100.0	1	1	100.0

TABLE 16.—*Anterior poliomyelitis: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	0	0	0	0	0	0
February.....	0	0	0	0	0	0
March.....	0	0	0	0	0	0
April.....	1	0	0	0	1	0
May.....	0	0	0	0	0	0
June.....	0	0	0	0	0	0
July.....	0	0	0	0	0	0
August.....	1	0	0	0	1	0
September.....	0	0	0	0	0	0
October.....	2	0	0	0	2	0
November.....	0	0	1	1	1	1
December.....	0	0	1	1	1	1
Total.....	4	0	2	2	6	2

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	1.6	2.0	1.7
Percentage of deaths to cases.....	.0	100.0	33.3

TABLE 17.—*Anterior poliomyelitis: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	1	1	100.0	0	0	0	1	1	100.0
1 to 4 years.....	4	1	25.0	3	0	0	1	1	100.0
5 to 9 years.....	0	0	0	0	0	0	0	0	0
10 to 19 years.....	0	0	0	0	0	0	0	0	0
20 to 29 years.....	0	0	0	0	0	0	0	0	0
30 to 39 years.....	1	0	0	1	0	0	0	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	6	2	33.3	4	0	0	2	2	100.0

TABLE 18.—*Pellagra: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	1	0	1	1	2	1
February.....	0	0	0	0	0	0
March.....	0	0	0	0	0	0
April.....	0	0	4	1	4	1
May.....	0	1	2	3	2	4
June.....	0	0	3	3	3	3
July.....	1	0	1	1	2	1
August.....	1	1	3	1	4	2
September.....	1	1	0	1	1	2
October.....	2	1	1	0	3	1
November.....	0	1	0	0	0	1
December.....	0	0	1	0	1	0
Total.....	6	5	16	11	22	16

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	2.3	16.2	6.1
Percentage of deaths to cases.....	83.3	68.7	72.7

TABLE 19.—*Pellagra: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	0	0	0	0	0	0	0	0	0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	0	0	0	0	0	0	0	0	0
10 to 19 years.....	0	0	0	0	0	0	0	0	0
20 to 29 years.....	7	5	71.4	0	0	0	7	5	71.4
30 to 39 years.....	2	1	50.0	1	1	100.0	1	0	0
40 to 49 years.....	6	5	83.3	0	0	0	6	5	83.3
50 to 59 years.....	5	3	60.0	3	2	66.6	2	1	50.0
60 to 69 years.....	2	2	100.0	2	2	100.0	0	0	0
Over 70 years.....	0	0	0	0	0	0	0	0	0
Total.....	22	16	72.7	6	5	83.3	16	11	68.7

TABLE 20.—*Tuberculosis: Reported cases, by race and by month, during the calendar year 1915, with certain data relative thereto.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	54	25	46	36	100	61
February.....	52	30	34	25	86	55
March.....	48	28	63	43	111	71
April.....	73	32	64	53	137	85
May.....	50	23	43	35	93	58
June.....	44	28	39	28	83	56
July.....	34	28	45	37	79	65
August.....	34	26	53	31	87	57
September.....	37	19	40	36	77	55
October.....	40	20	44	33	84	53
November.....	35	27	40	28	75	55
December.....	51	26	32	37	83	63
Total.....	552	312	543	422	1,095	734

ANALYSIS.

	White.	Colored.	Total.
Cases per 100,000 of population.....	213.2	549.5	306.1
Percentage of deaths to cases.....	56.5	77.7	67.0

TABLE 21.—*Tuberculosis: Ages of patients and decedents during the calendar year 1915.*

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	6	5	83.3	2	2	100.0	4	3	75.0
1 to 4 years.....	23	9	39.1	4	1	25.0	19	8	42.1
5 to 9 years.....	13	5	38.5	4	0	0	9	5	55.6
10 to 19 years.....	101	86	85.1	33	19	57.6	68	67	98.5
20 to 29 years.....	350	212	60.6	164	77	46.9	186	135	72.6
30 to 39 years.....	254	171	67.3	123	71	57.7	131	100	76.3
40 to 49 years.....	189	138	73.0	114	73	64.0	75	65	86.7
50 to 59 years.....	84	52	61.9	56	31	55.4	28	21	75.0
60 to 69 years.....	49	38	77.6	33	27	81.8	16	11	68.8
Over 70 years.....	26	18	69.2	19	11	57.9	7	7	100.0
Total.....	1,095	734	67.0	552	312	56.5	543	422	77.7

TABLE 22.—Typhoid fever: Reported cases, by race and by months, during the calendar year 1915, with certain data relative thereto.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	7	1	3	1	10	2
February.....	9	1	2	1	11	2
March.....	6	1	3	2	9	3
April.....	5	1	8	0	13	1
May.....	5	0	8	2	13	2
June.....	10	2	4	0	14	2
July.....	23	1	3	3	27	4
August.....	52	1	29	6	81	7
September.....	38	2	21	1	59	3
October.....	49	1	16	5	65	6
November.....	33	8	8	1	41	9
December.....	13	1	3	0	16	1
Total.....	250	20	109	22	359	42

ANALYSIS.

	White.	Colored.	Total
Cases per 100,000 of population.....	96.5	110.3	100.3
Percentage of deaths to cases.....	8.0	20.2	11.7

TABLE 23.—Typhoid fever: Ages of patients and decedents during the calendar year 1915.

Age.	Total cases.	Total deaths.	General mortality.	White.			Colored.		
				Cases.	Deaths.	Per cent of mortality.	Cases.	Deaths.	Per cent of mortality.
Under 1 year.....	2	2	100.0	2	2	100.0	0	0	0
1 to 4 years.....	17	1	5.9	12	0	0	5	1	20.0
5 to 9 years.....	44	4	9.1	27	3	11.1	17	1	5.9
10 to 19 years.....	96	2	2.1	65	1	1.5	31	1	3.2
20 to 29 years.....	99	14	14.1	71	6	8.5	28	8	28.6
30 to 39 years.....	58	7	12.1	40	2	5.0	18	5	28.0
40 to 49 years.....	28	7	25.0	22	3	13.6	6	4	66.6
50 to 59 years.....	13	3	23.1	9	1	11.1	4	2	50.0
60 to 69 years.....	1	1	100.0	1	1	100.0	0	0	0
Over 70 years.....	1	1	100.0	1	1	100.0	0	0	0
Total.....	359	42	11.7	250	20	8.0	109	22	20.2

TABLE 24.—Typhoid fever in the District of Columbia, by months and by years, from Jan. 1, 1912, to Dec. 31, 1915.

Months.	Cases reported.				Deaths reported.			
	1912	1913	1914	1915	1912	1913	1914	1915
January.....	32	25	18	10	6	1	3	2
February.....	22	9	20	11	1	3	4	2
March.....	20	15	13	9	1	4	2	3
April.....	27	12	13	13	4	2	1	1
May.....	27	17	13	13	2	3	1	2
June.....	23	65	15	14	2	5	2	2
July.....	42	70	36	27	11	7	4	4
August.....	118	72	57	81	9	9	11	7
September.....	96	75	69	59	15	2	7	3
October.....	63	40	38	65	11	11	3	6
November.....	65	35	35	41	8	2	2	9
December.....	50	26	13	16	6	4	4	1
Total.....	585	461	340	359	76	53	44	42

TABLE 25.—Typhoid fever, by statistical districts, for the calendar year 1915.

Districts	Population.	Cases.	Deaths.	Districts.	Population.	Cases.	Deaths.
1.....	18,141	17	3	29.....	1,387	4	.....
2.....	10,360	4	.....	30.....	2,915	3	.....
3.....	10,292	6	1	31.....	4,206	3	.....
4.....	2,226	3	.....	32.....	3,977	10	1
5.....	18,565	18	3	33.....	8,549	4	1
6.....	17,097	18	3	34.....	3,214	30	4
7.....	8,245	4	1	35.....	11,669	17	.....
8.....	15,570	19	2	36.....	13,848	10	.....
9.....	22,108	24	3	37.....	1,639	2	.....
10.....	15,693	11	.....	38.....	2,439	2	.....
11.....	8,189	4	3	39.....	1,426	2	.....
12.....	6,587	6	.....	40.....	2,719	1	.....
13.....	6,283	7	.....	41.....	2,083	3	.....
14.....	16,792	15	3	42.....	1,345	1	.....
15.....	13,022	32	5	43.....	4,271	5	1
16.....	8,633	5	.....	44.....	6,491	6	.....
17.....	16,121	11	1	45.....	1,839	0	.....
18.....	11,570	6	.....	46.....	1,898	3	1
19.....	4,385	6	.....	47.....	3,414	0	.....
20.....	4,207	2	1	48.....	7,362	4	.....
21.....	1,501	3	.....	49.....	1,841	2	.....
22.....	2,153	2	1	50.....	7,574	8	1
23.....	570	0	.....	51.....	1,565	1	.....
24.....	1,868	1	1	52.....	664	0	.....
25.....	4,871	8	1	53.....	1,853	1	.....
26.....	2,941	0	.....	Total.....	353,297	359	42
27.....	4,304	6	1				
28.....	816	0	.....			

TABLE 26.—Hospitalization of communicable diseases during the fiscal year 1915-16.

Diseases.	Total number reported 1915.	Number treated in hospitals 1915.	Per cent of cases treated in hospitals 1915.
Diphtheria.....	644	194	30.1
Scarlet fever.....	794	244	30.7
Measles.....	1,940	32	1.5
Whooping cough.....	674	12	1.8
Chicken pox.....	932	3	0.3
Smallpox.....	15	15	100.0
Epidemic cerebrospinal meningitis.....	5	3	60.0
Anterior poliomyelitis.....	6	0	0.0
Typhoid.....	359	96	26.7
Pellagra.....	22	19	86.0

APPENDIX B.

REPORT OF THE CHIEF FOOD INSPECTOR.

JULY 25, 1916.

DR. WILLIAM C. WOODWARD,
Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the annual report relative to the operations of the food-inspection service during the fiscal year ended June 30, 1916.

Dairy farms.—A comparative statement showing the number and location of dairy farms from which milk is sold in the District of Columbia, the number of cattle on such farms, and the frequency of farm inspections, for the fiscal years 1915 and 1916, is submitted. (See p. 24.) There was an increase during the latter year of 75 in the number of dairy farms registered and an increase of 2,644 in the number of dairy cattle.

In November, 1915, Dr. R. R. Ashworth, who previous to that date was detailed to a single dairy-farm inspection district, was assigned to general field work, for the purpose of creating more uniformity in inspection and to harmonize the work of the several inspectors. So far as the work has gone the result has been good.

The only manner in which the assignment can be treated as a detriment is in the lack of a large increase in the number of inspections of farms. This is due to the fact that the supervising inspector has made a great number of inspections in company with the regular inspectors, and such inspections could, of course, be credited to but the one inspector.

Tuberculin testing.—Fifteen thousand one hundred and ninety-nine cattle on the farms producing milk for sale in the District were reported as having been officially tuberculin tested during the year. Of the cattle reported, 14,583 passed, 533 reacted, and 83 were regarded as suspicious. Several of those reported as suspicious were retested and passed. Reports from those herds which are regularly tested are still gratifying in that practically no reactions are now noted.

Of the 1,184 cattle in the District of Columbia which were tuberculin tested during the fiscal year, which include all cattle, whether producing milk for sale or not, only 11 reacted, and only 2 were regarded as suspicious. The percentage of tuberculous cattle in this District appears to be therefore approximately 1.1.

Inoculation tests for tuberculosis.—By means of guinea-pig inoculation, living tubercle bacilli were found in the milk from two dairy herds shipping milk into this District for sale. The sale of milk from these herds was immediately stopped, and permission to sell milk was denied until the cattle were demonstrated to be free from tuberculosis by the application of an official tuberculin test. This test was applied to each herd, and at the time of such test none of the animals showed a typical reaction. To one herd a second tuberculin

test was applied 60 days after the date of the first test, and no reactors were reported. One animal in this herd was regarded as suspicious and was slaughtered. The veterinarian who applied the test reported that he was present at the slaughter of the animal and made a post-mortem examination of the carcass, but found no lesions of tuberculosis. In the other case it was ascertained that two cows which were in the milking herd when the samples were procured for inoculation were shortly thereafter sold to a cattle dealer, because the owner thought that their periods of usefulness had ended. When the cattle remaining on the farm were subjected to the tuberculin test, all passed. In view of these facts, milk from both farms was allowed again to be sold in this District.

Dairies.—There was a decrease in the number of inspections of dairies during this year. This was in part due to the occasional detail to clerical work of the inspector assigned to the inspection of dairies. This detail has been necessary in order to keep properly the records of the food-inspection service. The number of licensed dairies in the District has decreased about one-fourth during the last year, the tendency being apparently toward concentrating retail milk distribution in the hands of a few.

Approximately 8,000 milk cans being returned to producers of milk were examined during the year. Of this number 356 were tagged so as to notify the owners that such cans were not suitable for the purpose for which they were being used. Invariably this tagging resulted in the discontinuance of the use of the cans for shipping milk.

Inspection of markets, groceries, and other places where foods are prepared for sale and sold.—There was an increase in the number of inspections of places of this character during the year. However, the results from these inspections would, in my opinion, be far more valuable to the community if the health department had authority to prevent the establishment or continuance of markets, grocery stores, etc., whenever the premises are from a sanitary standpoint unsuitable for the business.

Inspection of slaughterhouses.—There are 21 slaughterhouses in the District of Columbia, and these were examined 307 times. There were inspected at the time of slaughter: Cattle, 51; sheep, 707; calves, 887; and hogs, 79. The carcass of one of the cattle was found to be unfit for food and was denatured with oil.

Communicable diseases of animals.—Two cases of hog cholera were discovered, both fatal.

Eighteen dogs and five cats were reported to the health department as rabid or suspected of being rabid. In the cases of six dogs and one cat the diagnosis of rabies were confirmed by post-mortem findings of the Bureau of Animal Industry, United States Department of Agriculture. For a detailed report on this disease, see page 17.

Recommendations.—I have the honor to recommend that an additional section to the regulations for the government of dairies and dairy farms be recommended to the commissioners, to require as follows: On and after July 1, 1917, all cattle on any dairy farm on which milk is produced for sale in the District of Columbia shall be free from tuberculosis, as demonstrated by the application of an official tuberculin test. The test to be applied once each year, or as often as the health officer may deem it necessary.

It is further recommended that said regulations be amended so as to provide that no milk or cream be brought or sent into the District of Columbia for sale, or for manufacture, or be sold, stored, held for sale, or offered for sale in this jurisdiction, unless said milk or cream be kept at a temperature not exceeding 50° F., and that no utensils or pails used to receive the milk as secreted from the udder of the cow shall have an uncovered opening at the top exceeding 7 inches in diameter.

With further reference to the paragraph "Inspection of markets, groceries, etc., it is recommended that section 12a of an ordinance to prevent the sale of unwholesome food in the District of Columbia be amended so as to provide that no market, store, or stall, where food is offered for sale and sold, shall be established, maintained, or continued without a certificate from the health officer that the premises are in a sanitary condition and suited to the conduct of such business.

Additional clerical force is urgently needed in this branch of the service. At this time a food inspector is assigned to keep the records for the service, and the task is greater than one man can accomplish in the usual working day. I therefore recommend that additional help be requested.

The automobile furnished for the use of the health department has been assigned to this service for a part of each working day. The result of its use may be readily estimated by a perusal of the records of this service during the period since the automobile was furnished and comparing it with a similar record covering a corresponding period for the preceding years.

Respectfully submitted.

R. S. WILSON,
Chief Food Inspector.

APPENDIX C.

REPORT OF THE CHEMIST.

JULY 24, 1916.

SIR: I have the honor to submit the following report relative to the work performed in the chemical laboratory during the fiscal year ended June 30, 1916.

During the year there were examined a total of 9,436 samples as follows:

Health Department, examinations for:

Candy.....	72
Drugs.....	52
Foods.....	9,029
Water.....	160
Miscellaneous.....	56

9,369

Police department, examinations for..... 50

Purchasing officer, examinations for..... 17

67

9,436

A tabulated statement, in detail, of the above articles appears on page 76.

MILK AND CREAM.

The following statements give the usual data concerning the collection of samples of milk and cream, results of analyses, and results of prosecutions, during the fiscal year 1916.

Milk: Sources of samples collected, the number from each source, and the percentage from each source below standard during the fiscal year 1916.

	Number collected. ¹	Per cent of total collections.	Below 3½ per cent butter fat.	3 per cent and below.
District of Columbia dairymen.....	1,166	14.04	7.03	0.60
Stores, lunch rooms, etc.....	363	4.37	13.77	9.37
Wagons from—				
Maryland.....	782	9.42	7.29	1.02
Virginia.....	782	9.42	5.37	.13
Union Station, from Maryland farms.....	2,315	27.88	8.12	.48
Stations, from Virginia farms.....	2,877	34.66	7.44	.28
Union Station, from other States.....	19	.23		
Total.....	8,304			

¹ Includes 59 samples either unfit for analysis, used for experimental purposes, or examined for purposes other than the determination of fat.

Cream: Places where samples were collected, the percentage from each source of those found below standard, and the percentage from each source of those containing 18 per cent and less of butter fat during the fiscal year 1916.

	Number collected.	Per cent of total collections.	Below 20 per cent fat.	Below 18 per cent fat.
District of Columbia dairymen.....	74	23.42	74.32	9.46
Stores, lunch rooms, etc.....	1	.32	100.00	100.00
Wagons from—				
Maryland.....	14	4.43	78.57	57.14
Virginia.....	41	12.85	63.41	34.15
Union Station, from Maryland.....	73	23.10	58.90	27.40
Stations, from Virginia.....	101	31.96	52.47	19.80
Union Station, from other States.....	12	3.80	41.66	8.33
Total.....	316			

Milk and cream: Percentages containing less than the legally required amount of butter fat and the percentage of samples of milk containing added water, annually during the five fiscal years ending June 30, 1916.

Fiscal year.	Cream containing less than 20 per cent butter fat.	Milk containing less than $3\frac{1}{2}$ per cent butter fat.	Milk containing added water.
1912.....	70.07	3.44	1.20
1913.....	64.92	4.89	.63
1914.....	48.27	4.69	.97
1915.....	57.73	7.71	.76
1916.....	61.39	8.52	1.22

Prosecution for the sale of milk below standard, milk containing added water, and milk containing foreign matter, and cream below standard, in the District of Columbia, during the fiscal year 1916.

Sources of samples.	Prosecu- tions.	Results.			Pending June 30, 1916.
		Nolle- pros.	Tried.		
			Personal bonds.	Fines.	
Resident milk dealers.....	10			(2) \$10	8
Stores, lunch rooms, etc.....	30	1	1	(7) 40	21
By rail from—					
Maryland.....	38			(14) 95	24
Virginia.....	41			(6) 60	35
By wagon from—					
Maryland.....	1				1
Virginia.....	24			(10) 60	14
Total.....	144	1	1	(39) 265	103

NOTE.—Action was suspended in 53 cases during the year.

WATER.

One hundred and sixty samples of water were subjected to a sanitary chemical analysis during the year, as follows:

Sources.	Total samples examined.	Good.	Suspicious.	Condemned.
Dairy farms.....	43	25	4	14
Private wells.....	78	48	11	19
Public schools.....	7	7		
Public wells.....	32	30		2
Total.....	160	110	15	35

Fifty-eight and fourteen one-hundredths per cent of the samples of water from wells of dairy farms showed no evidence of pollution, 9.30 per cent were classed as suspicious, and 32.56 per cent were condemned. From private wells, 61.53 per cent showed no evidence of injurious contamination, 14.10 per cent were classed as suspicious, and 24.37 per cent were condemned. From public wells, 93.75 per cent were found to be free from pollution, none were classed as suspicious, while 6.25 per cent were condemned.

From public-school wells, no evidence of pollution was found in any instance.

MISCELLANEOUS ANALYSES.

Butter.—During the year 65 samples sold as butter were purchased in lunch rooms and restaurants by inspectors of this department. As a result of the analysis of the samples 4 were found to be oleomargarine. Prosecution was instituted in each of these cases, but, owing to the death of the chemist, Dr. Lynch, while the cases were still pending, a nolle-prosequi was entered in each instance. One sample of renovated butter was correctly labeled.

Bread.—Fifty-five samples of bread were purchased and submitted to analysis in order to determine whether calcium sulphate, commonly known as plaster of Paris, or gypsum, had been added in the process of baking. Within recent years several processes in which lime salts are used in the baking of bread have been either patented or advocated. The "Arkady" process, invented by Prof. R. K. Duncan, is one of these. "Catalys" or "Katalys" powder is such a preparation. It is claimed for these products that the lime and ammonium compounds which they contain serve as "food for the yeast," thus preventing the yeast from "devouring" the gluten. As a result, it is alleged, a lighter, more porous loaf is obtained. In addition, the slight increase in the proportion of calcium salts present is claimed as an advantage not possessed by bread made in the ordinary manner.

In order to determine whether such preparations were being used in the baking of the bread purchased, the following determinations were made on each sample submitted: Weight, volume, specific volume, cubic inches in 1 pound of bread, moisture, total ash, salt, salt-free ash, calcium sulphate, calcium sulphate in salt-free ash, ammonia. As a result of these determinations, no evidence that calcium sulphate was being added in the process of baking was ob-

tained. The acidity of each sample was also determined. Tests for alum were negative in each case.

Candy.—Seventy-two samples of candy were examined for the presence of mineral fillers, poisonous dyes, metallic poisons, and harmful artificial flavors. None were found.

Grape juice.—Twenty-seven samples of grape juice were examined to determine if preservatives, added water, or added sugar, without proper labeling to show this, was present. No adulterants were found.

Hair tonic.—Thirty-six samples of hair tonic were analyzed to determine if methyl alcohol was present. None was found. Four samples were found to be misbranded because of erroneous statements on the label of the alcohol contents. After hearings had been held, action was suspended in each case.

Toilet water.—Of the 53 samples of toilet water examined, all were found to be free from methyl alcohol.

Tincture of iodine.—Of the 11 samples of tincture of iodine analyzed, 1 was found to be deficient in iodine and potassium iodide and to contain methyl alcohol. Prosecution was instituted in this instance. The case is now pending.

Olive oil.—The 17 samples examined were found to be free from adulterants.

Lard.—One hundred and seventy-seven samples of lard were examined during the year. Of these, 147 were found to be free from adulterants, while 30 contained cottonseed oil, beef stearin, or both. In 3 cases the samples were properly labeled. Twenty-seven cases were referred for prosecution. In each of two instances a nolle-prosequi was entered because of the conditions of sale, while 25 cases are still pending.

In this connection it is interesting to note that a number of lard cases referred for prosecution during the fiscal year 1915 are still pending. I feel that it is a waste of public funds to purchase and analyze these samples if the cases of violation of the law disclosed by such analyses are to be buried.

Maple sirup and maple sugar.—Of the 10 samples of maple sirup examined, 1 was found to contain cane sirup without mention of the fact on the label. Action was suspended in this case because the sample purchased was the only one of its kind in stock, and the others were properly labeled. The 7 samples of cane and maple sirup analyzed were all found to be properly labeled.

Five samples of maple sugar and two of cane and maple sugar were all found to be free from adulterants and properly labeled.

Other miscellaneous samples.—Among the other miscellaneous samples examined during the year were the following: Blackberries suspected to contain preservatives; none found. Disinfectants for the contagious disease service. Three samples of ice cream and one of ice cream cones, for poisonous substances; none found. One sample of extract of vanilla, found to be an imitation made from vanillin, coumarin, glycerine, sugar, alcohol, water, and colored with caramel. The vendor, an ignorant colored man, had evidently been misled by supply houses, and on correctly labeling his preparation no action was taken by this department. Four samples of granulated sugar all found free from adulterants. One sample of honey was found to

be "honeydew." One sample of coffee, suspected to contain chicory, was found to be free from this adulterant. Samples of ice, walnuts, flour, sausage, shaving lotion, pork and beans, and loganberry juice were also examined.

SANITARY INSPECTION.

During the year the laboratory cooperated with the sanitary inspection service in the investigation of the ventilation of mercantile and industrial establishments. In each instance it was possible to demonstrate the deficiency or inefficiency of the ventilation systems and the need for improvement. In every case the conditions found were either remedied or attempts are now being made to remedy them.

In the case of a large cold-storage plant which makes its own gas for power uses, foul-smelling and irritating gases were washed from the scrubbers into the sewers. Some of these fumes found their way into an apartment house two blocks from the plant and complaint was made to the sewer department. The sanitary inspection service was consulted and finally the laboratory was asked to suggest a remedy. The plant was inspected and the laboratory suggested a simple, inexpensive remedy. As a result there has been to date no recurrence of the nuisance since the remedial measures were adopted over four months ago.

EXAMINATIONS FOR THE POLICE DEPARTMENT.

Beer.—Of the 16 samples of beer, or liquids suspected to be beer, submitted by the police department, 12 were found to contain more than 2 per cent, by weight, of absolute alcohol. In one of the five cases represented by the above-mentioned samples a fine of \$250 for violation of the excise law was imposed, while the other four cases are pending.

Whisky.—A sample of whisky suspected to contain a poisonous powder was analyzed, with the result that the powder was found to consist of charcoal.

Clothing and bed clothing.—None of these articles of clothing contained bloodstains or powder marks.

Liquids suspected to contain alcohol.—One of these samples contained 96 per cent ethyl alcohol by volume; another contained 88.20 per cent absolute alcohol by volume. The third sample contained no alcohol, but proved to be a mixture of water and oil of cloves.

Blackberry cordial.—A sample of blackberry cordial which had been sent by a husband as a present to his wife was analyzed and found to contain 413 grains of arsenic and 43 grains of barium carbonate. The sender was apprehended and was indicted by the grand jury. The case is now pending.

Jelly.—Samples of jelly and of soup which had been sent to a sick man by a solicitous friend were analyzed. The jelly was found to contain broken glass and the soup contained one-sixth grain of arsenic. The sender was indicted by the grand jury and the case is pending.

Powder.—A sample of powder suspected to contain poison was found to consist solely of powdered licorice root.

"Stink bombs."—These were found to consist of glass ampoules containing an aqueous solution of ammonium sulphide, free ammonia,

and a red coloring matter. As can be imagined, when such an ampoule is broken in a public place, the name by which these devices are popularly designated is well earned. The police department is endeavoring to find a way to prosecute the persons amusing themselves in the above manner.

Residue in jars.—The residues remaining in five earthenware jars in which it is alleged hydrocyanic gas had been generated to disinfect an apartment, as a result of which one person was killed, were submitted for analysis. The residues were found to consist of sodium acid sulphate, free sulphuric acid, and traces of salts of iron, arsenic, and aluminum. No positive tests from cyanides, hydrocyanic acid, or other cyanogen compounds were obtained. The defendant has been indicted by the grand jury and the case is pending.

Pigeon.—The internal organs of a pigeon, which, it is alleged, had been poisoned, were analyzed. No poisonous substance was found.

Examinations in re violations of act regulating the practice of pharmacy.—Among the samples submitted by the inspector of pharmacy were the following:

Four disinfectants found to contain cresols, and one concentrated Bordeaux mixture. The results of the analyses are to be used as evidence against the dealers, who failed to properly label the packages. The cases are pending.

Two samples of roup remedy were found to contain copper sulphate, without proper labeling. The defendant in this case pleaded guilty and his personal bonds were taken.

One sample of Epsom salts, not labeled, and a bottle of calomel tablets, sold by a grocer, were analyzed. The defendant was fined \$10 in the latter case, and \$5 in the former.

A sample purchased as "essence of pepsin" in a local drug store by a person who was later made ill by taking some of it, was analyzed and found to be chloroform liniment. This case is now pending.

Two powders suspected to be heroin were found to consist solely of quinine bisulphate.

A sample of so-called "voodoo" medicine was found to consist of senna leaves and manna, a popular cathartic combination.

A sample of household ammonia, improperly labeled, was analyzed. The case is pending.

EXAMINATIONS FOR THE PURCHASING OFFICER.

Oleomargarine.—Six samples of oleomargarine and one of butter, on which bids had been submitted, were examined and the purchasing officer advised of the results of the analyses. A detailed statement of the results of these analyses has been made elsewhere.

Gasoline.—Nine samples of gasoline were submitted for analysis to determine whether they complied with the specifications of the District government. One sample failed to meet the requirements.

It is unfortunate that the laboratory was without the services of an assistant for more than three months, as some important work could not be completed. It is hoped that this will be accomplished during the ensuing year.

RECOMMENDATIONS.

1. That an appropriation of \$1,500 be requested for the maintenance of the laboratory, for the purchase of supplies, chemicals, apparatus, for replacement of worn-out and obsolescent, material, and for the purchase of scientific books, periodicals, etc.

The scope of the laboratory is increasing. Greater and more varied demands are being made on it. New methods of analysis are being developed. All these require the purchase of new apparatus and reagents so that the laboratory may do its work properly.

The enormous increase in the prices of chemicals, apparatus, and sundries due to the European war makes it impossible to operate the laboratory efficiently on the present appropriation. Some materials have advanced from 100 to 1,000 per cent. Phenol, glycerin, sulphuric and nitric acids, the hydroxide and salts of potassium, bromine, mercury, organic chemicals of all kinds have increased enormously in price. The cost of apparatus, glassware, porcelain ware, metallic ware, wire, rubber tubing, electrical apparatus has advanced enormously. When it is realized that all of the above are needed in order that the laboratory may render efficient service, the urgent need for the above appropriation is at once apparent.

2. That an appropriation of \$250 be requested for the purchase and installation of stone table tops and troughs.

The present wooden table tops and wooden troughs are sadly dilapidated and beyond satisfactory repair. They really spoil the appearance of the laboratory and interfere with satisfactory work. The table tops are so badly warped that it is practically impossible to find a perfectly level surface on them. This is essential in order that apparatus for many determinations may be set up properly. The troughs are continually leaking, causing damage to the drawers, cupboards and their contents, and also compelling intermittent repairs and interruptions to the use of the steam bath and some of the condensers. All this interferes with the efficiency of the laboratory. Stone table tops and troughs will solve this problem, will prove more sanitary, and will do away with the annoyance, inconvenience, and interruption to the work of the laboratory.

The granting of the above request will enable the laboratory force to perform more and better work.

3. That the salary of the assistant chemist be increased to \$1,500 per annum. Numerous arguments for this increase have been made in the past. An additional, potent argument has recently presented itself. After extensive newspaper and other advertising of the examination for this position held May 31, 1916, only two candidates passed the examination, and one of these refused the position when offered him. It is apparent, therefore, that the present salary, \$1,200, is insufficient.

4. That the salary of the skilled laborer be increased to \$840 per annum and his title changed to laboratory helper. The present incumbent has done very satisfactory work, relieving the chemist and his assistant of much of the routine. His work is really that of a laboratory helper and it is recommended that his title be so changed. He has completed half of his chemical course at a local university and

is consequently of greater value to this department. The fact that he secured a higher rating on the examination for assistant chemist than men of longer experience and of higher educational training, is an indication of his value to the laboratory. It is earnestly requested that this increase be granted.

I can not close this report without mention of the death of Dr. Robert L. Lynch, chemist of this department, on March 26, 1916. Dr. Lynch had served this department as chemist for 11 years and as assistant chemist and in other capacities for 7 years. From close association with him from 1909 to the time of his death, I had learned to respect him as a conscientious, earnest, and efficient public servant, a resourceful chemist, a thorough, painstaking analyst, and a kind and considerate adviser and friend. Many of those qualifications which have been deemed worthy by my superior officers to entitle me to succeed him as chemist have been developed through his patient forbearance, his valued advice, the skill and ease with which he clarified the many knotty problems arising in the laboratory, and the careful training obtained as his assistant. His death is a distinct and severe loss to this department and to the District of Columbia.

Respectfully,

M. A. POZEN, B. S., Phar. D.,
Chemist.

WILLIAM C. WOODWARD, M. D.,
Health Officer.

APPENDIX D.

REPORT OF THE CHIEF SANITARY INSPECTOR.

OCTOBER 9, 1916.

Dr. WILLIAM C. WOODWARD,
Health Officer, District of Columbia.

DEAR SIR: I have the honor to submit the annual report relative to the operations of the bureau of sanitary inspection during the fiscal year ended June 30, 1916. Tables showing the work done during the year named appear on pages 72 and 73.

The working force of the bureau of sanitary inspection, exclusive of the inspectors provided for the enforcement of the eight-hour law for females, was organized the same as the last fiscal year, as follows: One chief sanitary inspector, \$1,800; 8 inspectors, at \$1,200; 2 inspectors, at \$1,000; 2 inspectors at \$900; total force, 13, and total salaries, \$15,200.

The following is a summary of the work performed:

Complaints acted upon.....	7,069
Inspections on complaint.....	9,226
Reinspections.....	16,005
Official calls other than calls made for the service of a notice outside of assigned inspection districts.....	15,605
Notices served outside of assigned inspection districts.....	2,196
<hr/>	
Number and character of places of which no complaint was made and not included in the original inspections:	
Baby farms.....	49
Barber shops.....	1,161
Cemeteries.....	10
Hospitals and asylums.....	121
House to house.....	6,279
Laundries.....	755
Lodging and tenement.....	161
Playgrounds.....	29
Printing offices.....	394
Privies.....	2,425
Public baths.....	6
Public buildings.....	60
Public schools.....	480
Sewage disposal systems.....	150
Stables.....	735
Tailor shops.....	143
Theaters.....	70
Undertaking establishments.....	0
Unclassified inspections.....	131
Total.....	13,159

Violations of laws and regulations for the prevention and abatement of nuisances were reported in 11,119 instances. Action was taken to correct the conditions found, and 10,698 cases were corrected prior to the close of the fiscal year. The difference, 421, represents the number of cases for which notices were out.

Informations were filed in the police court against 185 persons, charging violations of the laws and regulations relating to the public health, exclusive of the smoke law. These cases were disposed of as follows: Nolle-prosequi was entered in 113 cases; 7 cases were dismissed; personal bonds were taken in 28 cases; collaterals forfeited in 2 cases; and fines were imposed in 10 cases. There were 25 cases pending at close of fiscal year. The amount of fines and collaterals was \$54. The same system prevailed during this year as has prevailed during the last two fiscal years in respect to the assistant corporation counsel entering a nolle-prosequi and disposed of such cases because the nuisances for the maintenance for which the defendants were charged had been abated before the cases were called for trial, although after the cases had been submitted for prosecution. Inspectors' time spent in the police court amounted to 35½ working days.

Under the assessment system, 233 notices were served on non-resident owners for the abatement of nuisances on property owned by them in the District of Columbia. In all but six cases such nuisances were abated by the owners without the necessity for further action by the commissioners. In six of these cases in which the abatement was not done by the owners, the District caused the necessary work to be done at a cost of \$50.20, which was assessed as a tax against the property upon which the nuisances had existed.

Printing offices.—During the year 394 inspections were made of printing offices, an average frequency of three and one-half times for each office. Particular attention was paid to composing rooms, with the result that all melting pots connected with typesetting machines were piped in a manner that permitted all fumes arising from these melting pots to be carried to the outer air. In many instances better natural light was provided and a noticeable improvement was made in the basement, walls, and ceilings of the shops, and better toilet facilities provided. The common drinking cups and the common towels were dispensed with. The larger portion of these inspections were made by one inspector.

Registration of stables, barber shops, laundries, privies, fowl and pigeon houses and sewage-disposal systems.—There were registered during the year 150 stables, 248 barber shops, 30 laundries, 487 privies, 145 fowl and pigeon houses, and 2 sewage-disposal systems, as shown below:

Stables, barber shops, laundries, privies, fowl and pigeon houses, and sewage-disposal systems registered during the year 1915-16.

	Stables.	Barber shops.	Laundries.	Privies.	Fowl and pigeon houses.	Sewage disposals.
Registered at beginning of year.....	2,036	623	3,787	2,414	1,232	124
Registered during the year.....	150	248	30	487	145	2
Abandoned during the year.....		19		160		
On the register at the close of year.....	2,186	852	3,817	2,678	1,377	126

During the year a review was made of the register of box privies existing in the District, and it was found that 63 more privies existed at the close of the fiscal year ended June 30, 1915, than had been reported.

Stables.—During the year 735 inspections of stables were made and 162 nuisances discovered. The average frequency of inspection of each stable was three-tenths time. The larger portion of these inspections were made by one inspector. A marked improvement was made in the maintenance and construction of stables during the year. With the limited number of inspectors at the disposal of the department it was impossible to have a systematic patrol made of all stables during the year.

Barber shops.—During the year 1,161 inspections of barber shops were made, an average frequency of one and three tenths times for each barber shop. The regulations governing the maintenance of barber shops by the owners and managers thereof are being complied with generally.

Laundries.—Inspections of laundries during the year numbered 755. On account of the limited number of inspectors at the disposal of the department, it was necessary to curtail the systematic inspection of laundries. I have, in my report of annual estimates for the year ended June 30, 1917, recommended that four additional inspectors be provided. Until additional inspectors are provided, it will be impossible for the department to maintain a systematic inspection of laundries. The steam laundries are being maintained in a very good sanitary condition, and improvement is noticeable in the places for washing maintained by individual washerwomen and washermen.

Privies.—On June 30, 1916, there were registered in the District approximately 2,678 privies, of which, however, only 117 were within the city of Washington or in the suburbs adjacent thereto. Four hundred and eighty-seven permits were issued to maintain privies during the year, 114 privies were abolished under notice served by the department, 4 were abolished by the operation of the board for the condemnation of insanitary buildings, and 42 were abolished for other causes.

There were 2,425 inspection of privies, equivalent to each privy inspected eight-tenths time during the year.

In 19 cases in which privies were located upon land belonging to nonresidents the inspector of plumbing, engineer department, was requested to have the necessary sewer and water connections made under the assessment system, so that the box privies might be removed. At the close of the fiscal year, 17 of the premises had been so connected. Thirty-seven permits for the maintenance of privies temporarily during building operations or other construction work were issued.

Weeds.—Seven hundred and six notices were served during the year under the provisions of the weed law, of which 81 were notices under the assessment system. In each instance the nonresident owner caused the weeds to be cut and removed from the property. No attention was given to the enforcement of the weed law except upon complaint. As stated in my last report, in the absence of a special force for the enforcement of the law it is impossible to enforce it in any substantial manner. Provisions should be made for the enforcement of the law in a substantial manner or the law should be repealed.

Smoke inspection.—The following statement shows the work of the sanitary inspector detailed to the enforcement of the smoke law.

During the year five cases were reported by the police officers, with results as follows: In one case a \$10 fine was imposed; in three cases the plant having a good record for a considerable period of time, cautionary letters were mailed to the managers, for the purpose of putting them on their guard in the future management of their plants.

Smoke inspections during the fiscal years 1915 and 1916.

	1915	1916
Observations.....	8,485	8,173
Violations of law reported.....	1,138	1,286
Cases referred to corporation counsel.....	68	42
Cases of fines and forfeitures.....	52	21
Cases of personal bonds taken.....	15	12
Cases nolle prossed.....	2	5
Cases acquitted.....	0	0
Cases pending.....	2	6
Amounts of fines and forfeitures.....	\$535	\$200
Plants under observation.....		43
Number of inspection of plants.....		44
Reports on investigation, complaints, and letters.....		236

Assignments.—During the year sanitary inspectors were detailed for duty in the clerical service amounting to 18½ days. One clerk was detailed from the clerical service to work in the sanitary service, amounting to 3½ days. Sanitary inspectors detailed to the food service amounted to 38½ days. There were no food inspectors detailed to the sanitary service during the year.

Contagious-disease service.—The sanitary inspection force was again assigned to perform duty in the contagious-disease service during the year. These duties consisted of placarding houses for scarlet fever and diphtheria, and gathering histories of all reported cases of these diseases and of typhoid fever. The time consumed by them in performing this work was 85½ working days.

Registration of vital statistics.—When an infant is born in the District of Columbia and dies during the first year of life, the birth records are searched to ascertain whether the birth has or has not been reported. If the birth has not been reported, an investigation is made to determine whose duty it was to make the report, so that the report may be obtained and action taken to prevent further dereliction. The making of such investigations is assigned to the sanitary inspection force. During the year 80 cases were investigated, involving the expenditure by the sanitary inspection force of approximately 6½ working days for the purpose of procuring the better registration of births.

Eight-hour female labor law inspections.—This service was organized the same as last year, which is as follows: One male and two female inspectors, at \$1,200 each, and one clerk at \$900; total, four employees; total salaries, \$4,500. This service is under the personal direction of the chief sanitary inspector.

The following is a summary of the work performed in the eight-hour female labor law service:

Complaints acted upon.....	179
Inspection on complaint.....	177
Official calls made.....	33

Number and character of establishments inspected:

Manufacturing.....	973
Mechanical.....	469
Mercantile.....	5, 514
Laundries.....	753
Restaurants.....	842
Telegraph and telephone.....	38
Express and transportation.....	168
Hotels.....	435
Miscellaneous.....	68

One thousand eight hundred and thirty establishments coming within the purview of the law were registered and classified, as follows:

Hotels.....	4
Laundries.....	154
Manufacturing.....	286
Mechanical.....	108
Mercantile.....	986
Restaurants.....	150
Telephone and telegraph.....	7
Express and transportation.....	33
Miscellaneous.....	52

There were 6 cases pending in the police court for violation of law regulating the hours of labor of females at the close of the preceding fiscal year, and violations were reported in 23 instances during the year just ended. These 23 violations were referred to the corporation counsel for prosecution in the police court. These cases were disposed of as follows: In 3 cases a nolle prosequi was entered, in 3 cases personal bonds were taken, and fines imposed in 10 cases. Five cases were dismissed, and there were 8 cases pending at the close of the fiscal year. The amount of fines was \$185.

The case of Susan H. Hotchkiss *v.* The District of Columbia, pending in the court of appeals at the beginning of the year, was decided November 1, 1915 (44 D. C. Appeals, 73), in favor of the District.

Overtime.—In performing their duties during the fiscal year ended June 30, 1916, the sanitary inspectors, exclusive of the supervising officer, worked 1,247 hours overtime, equal to 178 working days. This work was done without hope of compensation.

Recommendations.—I have the honor to renew my previous recommendations that provisions be made for the collection and disposal of manure in this District, such collection and disposal to be under the supervision of the District authorities; that some provision be made that will enable the health department to enforce in a substantial manner the act to cause the removal of weeds from lands in the city of Washington, D. C.; and that the act for the prevention of smoke in the District, and for other purposes, approved February 2, 1899, be amended so as to include railway locomotives and steamboats in the harbor.

Respectfully submitted.

C. R. HOLMAN,
Chief Sanitary Inspector.

APPENDIX E.

MISCELLANEOUS TABLES.

Work done by the sanitary inspection service during the fiscal year 1915-16, with reference to nature of nuisance and date of report.

	1915						1916						Total for 1915-16.	Total for 1914-15
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.		
Alleys, filthy.....	36	29	46	22	13	3	26	17	7	37	22	38	296	255
Areas.....	23	7	18	7	17	9	12	10	13	24	27	29	196	548
Cellars.....	17	21	16	23	17	14	25	13	19	27	26	65	283	245
Powls and pigeons.....	38	27	24	29	11	13	33	16	26	42	23	43	325	445
Lots:														
Filthy.....	16	59	67	20	5	10	33	18	33	81	41	24	407	382
Stagnant water.....	7	29	11	5	2	1	4	...	1	22	33	50	165	183
Manure accumulations.....	13	13	5	6	11	15	16	3	5	3	7	7	104	122
Manure receptacles.....	13	6	15	12	20	24	9	3	20	12	9	15	158	302
Plumbing defective.....	12	7	7	17	15	13	9	5	9	16	14	12	136	121
Premises unwholesome.....	35	35	25	33	27	30	27	23	31	6	48	54	374	382
Privies:														
Full.....	15	18	20	19	10	32	13	4	9	8	16	6	170	264
Leaky boxes.....	31	7	3	4	10	9	9	3	8	9	7	16	118	135
Unlawful.....	90	21	7	26	18	64	10	17	19	5	40	38	225	303
Roofs, leaky.....	2	15	11	22	12	3	9	9	6	7	7	16	119	132
Sewer connections.....	19	7	9	3	2	30	11	17	5	25	6	9	143	142
Sewers obstructed.....	94	76	72	95	70	65	83	60	61	91	81	98	946	1,023
Sheds, filthy.....	90	78	78	75	77	70	106	97	126	170	123	106	1,196	1,435
Stables.....	12	7	11	3	15	42	20	3	7	6	10	17	153	102
Yards, filthy.....	277	188	244	256	203	197	318	219	293	415	289	281	3,180	3,788
Water-closets.....	74	74	87	107	106	94	135	99	90	110	118	115	1,209	1,257
Weeds.....	192	191	217	34	...	...	...	...	...	...	...	4	68	406
Unclassified.....	48	75	58	65	36	21	36	33	39	58	39	67	575	510

Number and character of inspections by the sanitary-inspection service during the fiscal year 1916, with corresponding data for the preceding year.

	1914-15	1915-16
Inspections not on complaint:		
Baby farms.....	34	49
Barber shops.....	1,605	1,161
Cemeteries.....	35	10
Hospitals.....	137	121
House-to-house.....	10,545	6,279
Lodging and tenement houses.....	169	161
Laundries.....	1,452	755
Printing offices.....	188	394
Privies.....	2,413	2,425
Public baths.....	20	6
Playgrounds.....	42	29
Public buildings.....	74	60
Sewage-disposal systems.....	220	150
Stables.....	1,534	735
Schools.....	614	480
Tailor shops.....	324	143
Theaters.....	66	70
Undertaker establishments.....	3	0
Unclassified inspections.....	70	131
Total.....	19,545	13,159
Inspections on complaint.....	13,272	9,226
Reinspections.....	23,667	16,005
Official calls.....	17,134	15,605
Notices served outside of assigned inspection districts.....	2,414	2,196
Total.....	76,032	56,191

Systematic inspections made by the sanitary inspectors during the fiscal year ended June 30, 1916.

	1915						1916						Total for 1915-16.	Total for 1914-15.
	July.	August.	September.	October.	November.	December.	January.	February.	March.	April.	May.	June.		
Baby farms.....	11	7	.....	8	2	.....	3	.....	.....	.....	8	10	49	34
Barber shops.....	95	31	54	90	94	97	123	99	294	99	36	49	1,161	1,605
Cemeteries.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	10	35
Hospitals and asylums..	41	1	2	5	1	.....	.....	.....	.....	.....	.....	51	18	121
House to house.....	565	275	202	532	504	649	790	509	525	855	531	342	6,279	10,545
Lodgings and tenements.	.....	.....	.....	.....	.....	101	27	3	.....	.....	.....	30	161	109
Laundries.....	62	.....	.....	136	.....	.....	55	23	204	208	67	.....	755	1,452
Privies.....	392	138	72	168	229	379	238	175	204	142	164	124	2,425	2,413
Public baths.....	.....	2	.....	.....	.....	1	.....	.....	.....	.....	.....	2	6	20
Public buildings.....	7	.....	.....	.....	.....	.....	56	2	2	2	.....	.....	60	74
Playgrounds.....	.....	1	8	2	.....	.....	1	.....	.....	.....	6	2	29	42
Printing offices.....	3	6	22	.....	8	39	27	38	78	58	51	57	394	188
Public schools.....	6	15	14	70	35	60	50	60	23	39	51	57	480	614
Sewage disposals.....	6	2	59	1	4	1	1	3	.....	28	38	7	150	220
Stables.....	16	11	18	22	229	266	86	10	45	13	13	6	735	1,534
Tailor shops.....	.....	17	.....	.....	27	9	33	12	16	25	3	1	143	324
Theaters.....	.....	.....	.....	.....	.....	1	64	2	1	2	.....	.....	70	66
Undertaker establish- ments.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
Unclassified inspections.	12	3	8	18	5	4	18	13	8	31	5	6	131	70

Marine products received, inspected, and condemned in the District of Columbia during the fiscal year ending June 30, 1916.

	Arrivals.	Inspections.	Condemnations.
Bass.....barrels..	1,065.5	1,010	1.33
Bluefish.....do.....	493	476.5	3.87
Butterfish.....do.....	1,809	1,732	37
Carp.....single.....	17,433	16,755	118
Catfish.....bunches..	33,451	32,093	47
Croakers.....barrels..	4,141	4,049	75.5
Fels.....bunches..	6,449	5,840	12
Flounders.....barrels..	275.25	268.5	2.5
Herring.....single..	1,970,426	1,947,582	76,105
Jacks.....do.....	6,443	6,067	12
Mackerel.....barrels..	3,375.5	3,077.75	1.75
Mulletts.....bunches..	3,958	3,789	.....
Perch.....do.....	59,434	57,746	583
Pike.....do.....	3,298	3,190	11
Rockfish.....do.....	38,408	37,291	49
Shad.....single.....	242,547	238,518	243
Trout.....barrels..	14,910.5	14,475.5	99
Whiting.....do.....	1,296	1,258.5	3
Oysters.....bushels..	303,431	290,360	984
Oysters.....gallons..	87,673	78,096	357
Clams.....barrels..	4,795	4,185	3
Crabs.....do.....	7,255	6,768	641
Crab meat.....gallons..	27,598	22,580	146
Pollock.....boxes..	66	65	.....
Halibut.....do.....	320	314	1.33
Haddock.....do.....	6	6	.....
Ducks.....single.....	4,502	4,353	45
Soft crabs.....boxes..	1,015	928	14
Spots.....bunches..	7,171	6,949	200
Forgies.....barrels..	43.5	43.5	.....
Sturgeon.....single.....	110	108	.....
Squibs.....barrels..	6.25	5.5	.....
Drumfish.....do.....	41.5	40.5	4
Hogfish.....boxes..	63.5	61.5	.....
Kingfish.....do.....	35	35	.....
Terrapin.....single.....	1,345	1,223	5
Shrimp.....barrels..	59.75	58.5	.87
Mud shad.....do.....	163.75	158	12.87
Salmon.....boxes..	50	49	.25
Sheepshead.....do.....	28.5	28	.....
Lings.....barrels..	852	799.5	2
Codfish.....do.....	3	3	.....
Tilefish.....do.....	87	87	.....
Siscows.....do.....	3	3	.....
Scallops.....gallons..	7	7	.....
Smelts.....boxes..	205	201	.....
Watermelons.....single..	330,169	317,074	30,613

Food other than marine products condemned in the District of Columbia during the fiscal year ending June 30, 1916.

	Con- demned by request.	Con- demned on inspection.	Total.
Beef.....pounds.....	858	1,121½	1,979½
Beef kidneys.....do.....	2	10	12
Mutton.....do.....	92½	359½	452
Veal.....do.....	4	77½	81½
Pork.....do.....	284½	1,188½	1,473
Liver.....do.....	11½	112½	124
Sausage.....do.....	19½	259½	279
Chickens.....number.....	47	50	97
Turkeys.....do.....	59	4	63
Ducks.....do.....	4	.....	4
Birds.....do.....	27	.....	27
Rabbits.....do.....	94	216	310
Apples.....bushels.....	49	21	51½
Peaches.....do.....	68½	98	166½
Plums.....do.....	46	1	47
Bananas.....dozen.....	500	2,050	2,550
Lemons.....do.....	51½	240½	245½
Limes.....do.....	350	.....	350
Berries.....quarts.....	1,682	716	2,398
Cantaloupes.....number.....	2,000	2,818	4,818
Watermelons.....do.....	305	230	535
Pineapples.....do.....	600	173	773
Grapelruit.....do.....	970	.....	970
Carrots.....bunches.....	1,510	906	2,416
Radishes.....do.....	1,746	230	1,946
Lettuce.....number.....	3,650	2,000	5,650
Cabbage.....do.....	22	635	657
Cynmlings.....do.....	.....	15	15
Eggplants.....do.....	650	138	788
Cauliflower.....do.....	.....	20	20
Cucumbers.....do.....	3,665	220	3,885
Brussels sprouts.....bushels.....	9½	.....	9½
Mushrooms.....do.....	5	.....	5
Endive.....do.....	4	.....	4
Potatoes.....do.....	123	56½	179½
Peas.....do.....	71	5½	76½
Beans.....do.....	89	6	95
Turnips.....do.....	9½	½	9½
Tomatoes.....do.....	167	2½	169½
Pears.....do.....	37	68	105
Peppers.....dozen.....	30	46	76
Crabs.....single.....	.....	1,180	1,180
Crab meat.....gallons.....	98	4	102
Pies.....number.....	15	201	216
Cakes, buns, etc.....pounds.....	13	103	116
Sauerkraut.....gallons.....	25	70	95
Cheese.....pounds.....	.....	10	10
Eggs.....dozen.....	147½	1½	148½
Butter.....pounds.....	4	.....	4
Lard.....do.....	.....	65	65
Fish.....do.....	520½	457½	978½
Do.....number.....	234	2,774	3,008
Do.....barrels.....	2	19½	21½
Onions.....bushels.....	30	.....	30
Soup.....gallons.....	2	4	6
Oysters.....do.....	65	52½	117½
Clams.....number.....	35	613	648
Nut kernels.....bushels.....	4½	4	4½
Muskrats.....number.....	200	.....	200
Pickles.....do.....	1	2,271	2,271
Crabs.....barrels.....	85	.....	85
Sweet potatoes.....bushels.....	37	16½	101½
Asparagus.....crates.....	14	9	46
Chestnuts.....bushels.....	1,500	.....	1,500
Parsley.....bunches.....	17	35	52
Sugar.....pounds.....	10	10	20
Coffee.....do.....	35	45	80
Tea.....do.....	150½	.....	150½
Milk.....gallons.....	591	203	794
Canned fruit, etc.....pounds.....	.....	246	246
Preserves.....pounds.....	187	909	1,096
Cereals, etc.....packages.....	138	13½	151½
Pickles.....barrels.....	.....	10½	10½
Beans (dried).....quarts.....	10	8	18
Currants.....pounds.....	35	50½	85½
Prunes.....do.....	42	.....	42
Corn.....dozen.....	702½	108½	811
Dried fruit and vegetables.....pounds.....	28	2	30
Bread.....loaves.....	.....	.....	.....

Food other than marine products condemned in the District of Columbia during the fiscal year ending June 30, 1916—Continued.

		Con- demned by request.	Con- demned on inspection.	Total.
Okra.....	quarts.....	12½		12½
Guinea fowls.....	number.....		1	1
Hog heads.....	do.....		144	144
Kale.....	bushels.....		31½	31½
Bacon.....	pounds.....		56	56
Chinquapins.....	bushels.....		½	½
Flour.....	pounds.....		24½	24½
Chitterlings.....	do.....		203	203
Chowchow.....	do.....		20	20
Lemonade.....	gallons.....		34	34
Condiment.....	pounds.....		9	9
Corn meal.....	do.....		81	81
Macaroni.....	do.....		20	20

Pound report for fiscal year 1916.

Months.	Animals impounded.							Grand total.	Disposition.					
	Horses.	Dogs.			Cats.				Dogs.				Cats killed.	Total.
		Captured.	Surrendered.	Total.	Captured.	Surrendered.	Total.		Killed.	Redeemed.	Sold.	Returned.		
1915.														
July.....		110	282	307	24	728	752	1,059	276	4	20	2	752	1,054
August.....	1	180	180	361	14	556	570	931	313	19	23	1	570	926
September.....		183	127	310	14	240	254	564	272	26	10	2	254	564
October.....		177	88	265	6	167	173	438	177	53	21	....	173	424
November.....		153	57	210	6	118	124	334	171	43	13	1	124	352
December.....		79	37	116	8	105	113	229	89	15	9	2	113	228
1916.														
January.....		140	52	192	18	100	118	310	141	34	13	....	118	306
February.....	3	96	46	142	13	107	120	262	109	19	4	1	120	253
March.....		172	53	225	40	288	328	553	184	27	15	....	328	554
April.....		152	88	240	24	383	407	647	196	31	9	1	407	644
May.....		201	112	313	14	377	391	704	245	49	19	1	391	705
June.....	1	170	127	298	23	540	563	861	249	40	7	....	563	859
Total.....	5	1,713	1,261	2,979	204	3,809	3,913	6,892	2,422	360	163	11	3,913	6,869

¹ Includes 1 coyote.

Money collected by the poundmaster during the fiscal year 1916.

Months.	For food.	For fees.	From sales.	Total.
1915.				
July.....		\$8.00	\$22.00	\$30.00
August.....	\$0.25	40.00	2 00	68.25
September.....		52.00	14.00	66.00
October.....		106.00	16.50	122.50
November.....		86.00	18.50	104.50
December.....		30.00	13.50	43.50
1916.				
January.....		68.00	18.50	86.50
February.....	3.75	44.00	8.00	55.75
March.....		54.00	24.00	78.00
April.....		62.00	18.00	80.00
May.....		98.00	23.00	121.00
June.....	5.00	84.00	6.00	95.00
Total.....	9.00	732.00	210.00	951.00

Statement of the work performed in the chemical laboratory during the fiscal year 1916.

	Adulterated.	Not adulterated.	Total.
Alcohol ¹			1
Ammonia ¹			1
Beer ¹			8
Bread.....		55	55
Blackberries.....		1	1
Bordeaux mixture ¹			1
Butter.....	4	61	65
Do. ²		1	1
Butter, renovated.....		1	1
Calomel tablets ¹			1
Candy.....		72	72
Do. ¹			1
Chinosol tablets ¹			1
Chloroform liniment (for comparative purposes).....		1	1
Clothing, bed ¹			2
Clothing ¹			1
Cloves, oil of (for comparative purposes).....		1	1
Coffee.....		1	1
Cordial, blackberry ¹			1
Coal-tar disinfectants ¹			4
Cream.....	194	122	316
Disinfectants (for contagious-disease service).....			2
Epsom salts ¹			1
Flaxseed.....		1	1
Flour.....			1
Gasoline ²			9
Grape juice.....		27	27
Hair tonic.....	4	32	36
Honey.....		1	1
Ice.....		1	1
Ice cream.....			3
Ice cream cones.....			1
Iodine, tincture of.....	1	10	11
Jelly ¹			1
"Justit" for flavoring.....		1	1
Lard.....	30	147	177
Liquid suspected to be beer ¹			8
Liquid suspected to contain alcohol ¹			2
Loganberry juice.....			1
Medicine ¹		1	1
Milk.....	703	7,601	8,304
For experimental purposes.....		22	22
Suspected to contain poison.....			1
Powder.....		1	1
Oleomargarine ²		7	7
Oil, olive.....		17	17
Oil, table.....		1	1
Pepsin, essence of ¹			1
Pepsin, essence of (for comparative purposes).....			1
Pork and beans.....		1	1
Powder ¹			3
Pigeon, body of ¹			1
Roup remedy ¹			2
Residue in earthenware jars ¹			5
Sausage.....			1
Shaving lotion.....		1	1
Soup ¹		1	1
Sugar.....		4	4
Cane and maple.....		2	2
Maple.....		5	5
"Stink" bombs ¹			1
Sirup, cane and maple.....	1	9	10
Maple.....		7	7
Vanilla, extract of.....			1
Water.....	49	111	160
Toilet.....		53	53
Walnuts.....	1		1
Whisky ¹			1
Total.....			9,436

¹ Examined for the police department.² Examined for the purchasing officer.

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days).

SYNOPSIS.

Character of service.	Employees.		Salaries.		Traveling expenses.		Incidentals.		Total.	
	1915	1916	1915	1916	1915	1916	1915	1916	1915	1916
I. General supervision.										
11. Clerical service.....	2	2	\$6,500.00	\$6,500.00	\$340.00	\$416.65	\$1,928.00	\$1,721.13	\$6,840.24	\$11,457.79
12. Registration of vital statistics.....	1	1	4,720.00	9,720.00	17.00	16.66	735.00	702.85	5,135.00	5,102.85
13. Messenger.....	4	4	4,400.00	4,400.00					1,200.00	1,200.00
IV. Sanitary inspection.	2	2	1,200.00	1,200.00						
14. Sanitary inspection, including supervisory.....	13	13	15,000.00	15,000.00	294.00	244.30	642.00	394.11	15,936.00	15,638.41
15. Night hour.....	1	1	1,200.00	1,200.00	22.00	22.69	32.00	26.94	1,254.00	1,249.63
16. Food inspection.....	4	4	4,500.00	4,500.00	38.00	45.00	80.00	65.00	4,618.00	4,610.00
VI. Food inspection.										
17. Supervisory.....	2	2	2,500.00	2,500.00	56.64	96.81			2,556.64	2,596.81
18. Veterinary.....	6	6	6,000.00	6,400.00	2,926.00	3,406.22	208.35	523.33	9,826.00	9,866.32
19. Markets.....	6	6	6,000.00	6,000.00	128.75	180.51	216.61	258.47	6,337.10	6,702.87
Chemical laboratory.	3	3	3,800.00	3,800.00			637.96	375.31	4,651.60	4,433.81
Dairies.	2	2	2,200.00	2,200.00	39.93	0.61			2,239.93	2,200.61
VII. Contagious-disease service.										
20. Supervisory.....	1	1	2,158.50	1,786.50	240.00	240.00			2,398.50	2,026.50
21. Inspectors.....	6	3	3,900.00	5,746.13	54.49	77.95			3,954.49	5,824.08
22. Watchmen.....	18	18	2,348.25	774.50					2,348.25	774.50
Incidental expenses.										
23. Smallpox hospital—										
24. Matron.....	1	1	809.00	736.50			1,350.86	880.58	1,380.86	880.58
25. Nurses.....	1	1	464.50	232.50					889.00	756.50
26. Laborers.....	3	2	429.75	64.75					464.50	232.50
Quarantine station—										
27. Matron.....	1	1	827.50	733.00			5,397.11	1,281.46	429.75	64.75
28. Nurse.....	1	1	492.50	202.50					5,397.11	1,281.46
29. Laborers.....	2	2	289.25	41.00					827.50	733.00
Incidental expenses.									492.50	202.50
Ambulance service—										
30. Drivers.....	2	2	789.00	790.00			1,535.14	912.51	289.25	41.00
31. Stableman.....	1	1	273.00						1,535.14	912.51
Incidental expenses.									789.00	790.00
							615.58	882.07	273.75	273.75
									882.07	882.07

¹ Four-fifths time of chief clerk and one-half time of one \$1,000 clerk.

² One-fifth time of chief clerk and one-half time of one \$1,000 clerk.

³ Cost of samples.

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days)—Continued.

SYNOPSIS—Continued.

Character of service.	Employees.		Salaries.		Traveling expenses.		Incidentals.		Total.	
	1915	1916	1915	1916	1915	1916	1915	1916	1915	1916
VIII. Disinfecting service:										
Inspectors.....	2	3	\$2,007.50	\$2,036.00					\$2,007.50	\$2,036.00
Engineer.....	1	(1)	781.25	()					781.25	
Laborer.....	1	(2)	618.17	673.75	\$0.58				618.75	629.00
Stableman.....	1	1	273.00	273.75					273.00	273.75
Incidental expenses.....							\$1,528.22	\$2,287.43	1,528.22	2,287.43
IX. Bacteriological laboratory:										
Assistant bacteriologists.....	2	2	2,345.00	2,070.00					2,345.00	2,070.00
Assistant bacteriologist.....	1	1	1,200.00	1,200.00					1,200.00	1,200.00
Inspector.....	1	1	1,000.00	1,200.00					1,000.00	1,200.00
Skilled laborer.....	1	1	720.00	720.00					720.00	720.00
Incidental expenses.....							300.00	612.05	300.00	612.05
Replacements.....							1,000.00	999.22	1,000.00	999.22
New apparatus.....							1,999.71		1,999.71	
X. Public crematorium:										
Supervisory inspector.....	1	1	182.50	197.50					182.50	197.50
Superintendent.....	1		1,017.25	1,023.75					1,017.25	1,023.75
Incidental expenses.....							646.88	602.92	646.88	602.92
XI. Pound service:										
Poundmaster.....	1	1	1,200.00	1,200.00					1,200.00	1,200.00
Employees.....	4	4	2,000.00	2,000.00	.75				2,000.75	2,000.75
Incidental expenses.....							1,204.00	1,209.85	1,204.00	1,209.85
Total.....			\$9,025.92	\$7,826.73	4,178.14	\$4,807.43	20,147.45	13,795.20	113,951.75	99,877.42

11 disinfecter 1863 days at \$2.50 per diem, \$466.87; 1 disinfecter 44 months, at \$65 per month, \$292.50; total, \$759.37.

21 disinfecter 1,436 hours, at 25 cents per hour, \$559; 1 disinfecter 44 months, at \$60 per month, \$270; total, \$629.

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days).

I. SUPERVISORY SERVICE.

	Annual average.		Daily average.	
	1915	1916	1915	1916
Health officer	\$4,000.00	\$4,000.00	\$13.07	\$13.07
Assistant health officer	2,500.00	2,500.00	8.10	8.10
Total cost of transportation	340.00	416.55	1.11	1.36

II. GENERAL CLERICAL SERVICE.

Units of work.	Annual average.		Daily average.	
	1915	1916	1915	1916
Letters received	10,324	10,146	33.8	33.1
Letters sent	12,060	10,340	39.5	33.7
Oral complaints received	3,604	3,588	11.8	11.7
Special reports indexed	1,485	1,299	4.7	4.2
Employees	8	8		
Total cost of service	\$9,720.00	\$9,720.00	\$3.17	\$3.17
Total cost of incidentals (approximate)	1,928.00	1,721.13	6.37	5.62
Total cost of transportation	17.00	16.66	.055	.054
Total cost, inclusive of undistributed cost of supervision	11,665.00	11,457.79	38.12	37.44

The cost of transportation for supervising service was:

Dr. Woodward, traveling	\$176.55
Dr. Norris, automobile	240.00
Total	416.55

III. REGISTRATION OF VITAL STATISTICS.

	Annual average.		Daily average.	
	1915	1916	1915	1916
Death certificates recorded:				
Local	6,118	6,495	20.05	21.22
Foreign	566	595	1.85	1.94
Birth certificates recorded	7,118	7,224	23.3	23.60
Stillbirth certificates recorded	420	425	1.37	1.38
Burial and disinterment permits issued and subsequently received and filed	7,008	7,418	22.9	24.24
Transcripts issued	1,024	1,179	3.35	3.85
Collected for transcripts	\$450.50	\$514.00	\$1.48	\$1.67
Employees	4	4		
Cost of service	\$4,400.00	\$4,400.00	\$14.38	\$14.38
Cost of incidentals (approximate)	735.00	702.85	2.41	2.29
Total cost exclusive of undistributed cost of supervision	5,135.00	5,102.85	16.78	16.67

IV. MESSENGER SERVICE.

	Annual average.		Daily average.	
	1915	1916	1915	1916
Messenger and janitor	\$600.00	\$600.00	\$1.96	\$1.96
Driver	600.00	600.00	1.96	1.96

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days)—Continued.

V. GENERAL SANITARY INSPECTION SERVICE.

A. SUPERVISION.

	Fiscal year.		Daily average.		Daily average per inspector.	
	1915	1916	1915	1916	1915	1916
Chief inspector.....	1	1	-----	-----	-----	-----
Clerk.....	1	1	-----	-----	-----	-----
Total salaries.....	\$2,800	\$2,800	\$9.15	\$9.15	\$9.15	\$9.15

B. SANITARY INSPECTION SERVICE.

Complaints acted upon.....	6,919	7,069	22.1	22.9	2.5	2.8
Inspection on complaints.....	13,272	9,226	43.3	29.5	4.8	2.7
Reinspections.....	23,667	16,005	77.3	51.2	8.6	4.7
Official calls made.....	17,134	15,605	55.9	49.9	5.0	4.6
Notices served outside of assigned inspection districts.....	2,414	2,196	7.8	7.0	.9	.7
House-to-house inspection.....	10,545	6,279	34.4	20.1	3.8	1.9
Inspections of barber shops.....	1,605	1,161	4.9	3.7	.5	.4
Inspections of stables.....	1,534	735	5.01	2.4	5.01	.3
Inspections of privies.....	2,413	2,425	7.8	7.8	.9	.7
Inspections of laundries.....	1,452	755	4.7	2.5	4.7	.3
Other miscellaneous inspections.....	1,996	1,804	6.5	5.8	.6	.6
Total inspectors.....	11	11	-----	-----	-----	-----
Total salaries.....	\$12,200.00	\$12,200.00	\$39.86	\$39.86	\$3.62	\$3.62
Cost of incidentals (approximate).....	642.00	394.11	2.09	1.26	.19	.12
Cost of transportation.....	294.00	244.30	.96	.74	.08	.07
Total cost of sanitary service, exclusive of undistributed cost of supervision.....	15,936.00	15,638.41	42.91	41.86	3.90	3.81

C. SMOKE INSPECTION.

Places under observation.....	335	413	-----	-----	-----	-----
Observations.....	8,485	8,173	27.7	26.11	27.7	26.11
Inspectors.....	1	1	-----	-----	-----	-----
Total salaries.....	\$1,200.00	\$1,200.00	\$3.94	\$3.94	\$3.94	\$3.94
Cost of incidentals (approximate).....	32.00	26.94	.13	.09	.13	.09
Cost of transportation.....	22.00	22.69	.07	.08	.07	.08
Total cost of smoke service, exclusive of undistributed cost of supervision.....	1,254.00	1,249.63	4.14	4.11	4.14	4.11

D. EIGHT-HOUR FEMALE LABOR LAW INSPECTION.

Complaints acted upon.....	273	179	0.8	0.6	0.2	0.2
Inspections on complaint.....	281	177	.8	.6	.2	.2
Inspections made on the initiative of the inspector.....	6,208	9,260	20.2	29.5	6.6	9.9
Official calls made.....	2,615	33	8.5	.2	2.6	.1
Total inspectors.....	3	3	-----	-----	-----	-----
Total clerks.....	1	1	-----	-----	-----	-----
Total salaries.....	\$4,500.00	\$4,500.00	\$14.70	\$14.70	\$4.90	\$4.90
Cost of incidentals (approximate).....	80.00	65.00	.26	.21	.08	.07
Cost of transportation.....	38.00	45.00	.12	.15	.04	.05
Total cost of eight-hour female labor law service, exclusive of undistributed cost of supervision.....	4,618.00	4,610.00	15.08	15.06	5.02	5.02

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VI. FOOD-INSPECTION SERVICE.

	Fiscal year.		Daily average.		Daily average per inspector.	
	1915	1916	1915	1916	1915	1916
A. SUPERVISION.						
Chief inspector.....	1	1				
Inspector (clerical work).....	1	1				
Total salaries.....	\$2,500.00	\$2,500.00	\$8.16	\$8.16	\$4.08	\$4.08
Cost of transportation.....	\$56.64	\$96.81	\$0.19	\$0.32	\$0.10	\$0.16
B. VETERINARY SERVICE.						
Dairy farms.....	\$1,161.00	\$1,236.00				
Inspections.....	4,074	4,183	\$13.31	\$13.67	\$2.22	\$2.28
Slaughterhouses.....	21	21				
Inspections.....	253	307	.83	1.00	.41	.50
Communicable diseases of animals:						
Cases reported.....	81	311	.26	1.01	.13	.51
Inspections of horse market.....	104	104	.34	.34	.17	.17
Inspectors.....	6	6				
Total salaries.....	\$6,400.00	\$6,400.00	\$20.91	\$20.91	\$3.48	\$3.48
Cost of traveling expenses (approximate).....	2,926.00	3,466.32	9.56	11.33	1.59	1.89
Total cost, exclusive of undistributed cost of supervision.....	9,326.00	9,866.32	30.47	32.24	5.07	5.37
C. MARKET, STORES, LUNCH ROOMS, ETC.						
Registered at close of year.....	5,470	5,832	17.88	19.06	2.98	3.18
Under inspection during year.....	5,723	6,215	18.70	20.31	3.12	3.39
Inspections.....	44,383	49,978	145.04	163.33	24.17	27.22
Inspectors.....	6	6				
Total salaries.....	\$6,000.00	\$6,000.00	\$19.61	\$19.61	\$3.26	\$3.26
Cost of incidentals.....	208.35	523.33	.68	1.71	.11	.29
Cost of transportation.....	128.75	180.54	.42	.59	.07	.10
Total cost, exclusive of undistributed cost of supervision.....	6,337.10	6,703.87	20.71	21.91	3.45	3.65
D. CHEMICAL LABORATORY.						
Samples analyzed.....	9,282	9,436	30.33	30.84	10.11	10.28
Samples of food.....	8,782	9,101	28.69	29.74	9.56	9.91
Samples of water.....	274	160	.90	.52	.30	.17
Samples of miscellaneous.....	226	175	.74	.57	.25	.19
Employees.....	3	3				
Salaries.....	\$3,800.00	\$3,800.00	\$12.41	\$12.41	\$4.13	\$4.13
Cost of food samples.....	216.64	258.47				
Cost of incidentals.....	637.96	375.34	2.08	1.23	.69	.41
Total cost exclusive of undistributed cost of supervision.....	4,654.60	4,433.81	15.21	14.49	5.07	4.83
E. DAIRIES AND COLLECTION OF SAMPLES.						
Inspections.....	662	508	2.16	1.66	2.16	1.66
Samples collected.....	9,877	10,284	32.28	33.91	32.28	33.91
Inspectors.....	2	2				
Salaries.....	\$2,200.00	\$2,200.00	\$7.19	\$7.19	\$3.59	\$3.59
Cost of transportation.....	\$50.93	\$60.61	\$0.19	\$0.20	\$0.09	\$0.10

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VII. CONTAGIOUS-DISEASE SERVICE.

Cases reported.	Fiscal year.		Average per day.		Daily average per inspector.	
	1915	1916	1915	1916	1915	1916
Anterior poliomyelitis.....	9	7	0.02	0.02	0.003	0.003
Epidemic cerebrospinal meningitis.....	5	7	.01	.02	.002	.006
Chicken pox.....	932	1,044	2.6	2.8	.43	.93
Diphtheria.....	357	868	.98	2.4	.16	.8
Leprosy.....	1		.003		.0005	
Measles.....	1,743	2,450	5.0	6.7	.83	2.2
Pellagra.....	20	19	.06	.05	.01	.02
Scarlet fever.....	719	478	2.0	1.3	.33	.43
Smallpox.....	36	8	.09	.02	.015	.006
Tuberculosis.....	1,135	1,075	3.1	2.8	.51	.98
Typhoid fever.....	319	362	.87	1.0	.14	.3
Whooping cough.....	563	1,131	1.5	3.1	.25	1.3

NOTE—In view of the limited appropriation for personal services in connection with the enforcement of the contagious-disease law, the duty of placarding houses for diphtheria and scarlet fever and of investigating the origin of reported cases of typhoid fever is assigned to the sanitary-inspection force. The duty of arranging for disinfection is assigned to an inspector paid out of the appropriation for the maintenance of the disinfecting service. The cost of this service is not included in the cost of the contagious-disease service.

A. GENERAL SUPERVISION, PLACARDING, RECORDING, ETC.

Cost (exclusive of cost of service rendered by sanitary inspectors):

1 chief inspector (365 days).....	\$1,786.50
3 inspectors (1,057 days).....	5,746.13
18 watchmen (387½ days).....	774.50

Total (2,809½ days).....	
Incidentals, printing, supplies, etc. (approximate).....	268.53
Cost of transportation.....	240.00

Total..... \$8,575.66

B. SMALLPOX HOSPITAL.

Patients cared for.....	8
Hospital open, days.....	80
Service rendered, patient days.....	88

Cost:	
1 matron (365 days).....	\$756.50
1 nurse (99 days).....	232.50
2 laborers (36 days).....	64.75

Total (500 days).....	
Incidentals, supplies, fuel, etc. (approximate).....	1,281.46

Total..... 2,335.21

C. QUARANTINE STATION.

Inmates cared for.....	8
Days quarantine station open.....	117
Service rendered, inmate days.....	123

Cost:	
1 matron (365 days).....	\$733.00
1 nurse (57 days).....	202.50
2 laborers (22½ days).....	41.00

Total (44½ days).....	
Incidentals, supplies, fuel, etc. (approximate).....	912.54

Total..... 1,889.04

D. AMBULANCE SERVICE.

Minor contagious diseases:	
Patients transported.....	494
Days ambulance in active service.....	232

Cost:	
2 ambulance drivers (395 days).....	\$790.00
1 stableman (365 days).....	273.75

Total (760 days).....	1,063.75
Incidentals, forage, shoeing, etc. (approximate).....	882.07

Total..... 1,945.82

Total cost, contagious-disease service..... 14,745.73

Outline of annual and average daily work of the health department of the District of Columbia, with cost, during the fiscal year 1916, with corresponding figures for the preceding year (based on 306 working days)—Continued.

VIII. DISINFECTING SERVICE.

Premises disinfected	2,041
Articles disinfected at disinfecting station	1,396
Cost:	
3 inspectors (755 days)	\$2,036.00
1 disinfecter—	
186½ days at \$2.50 per diem	466.87
4½ months, at \$65 per month	292.50
1 disinfecter—	
1,436 hours, at 25 cents per hour	359.00
4½ months, at \$60 per month	270.00
1 stableman (364½ days)	273.75
Total (1,743½ days)	
Incidentals, disinfectants, forage, shoeing, etc. (approximate)	2,287.43
Total	5,985.55

IX. BACTERIOLOGICAL LABORATORY.

Specimens examined	17,255
Days service rendered by employees	1,510
Cost:	
2 bacteriologists (415 days)	\$2,070.00
1 assistant bacteriologist (365 days)	1,200.00
1 inspector (365 days)	1,200.00
1 skilled laborer (365 days)	720.00
Total (1,510 days)	
Incidentals, repairs to apparatus, etc. (approximate)	612.05
Replacement of apparatus	999.22
New apparatus	
Grand total	6,801.27

NOTE.—The services of the bacteriologist, which are paid for from the appropriation for the contagious-disease service are entered as an item of cost under "Bacteriological laboratory." See below.

X. PUBLIC CREMATORIUM.

Bodies burned (adults, 150; infants, 161; stillborn, 258)	569
Days crematory was in operation	116
Cost:	
2 supervisory inspectors (389 days)	\$197.50
1 superintendent (315 days)	1,023.75
Total (704 days)	1,221.25
Incidentals, kerosene, etc. (approximate)	602.92
Total	1,824.17
Cremations at private expense, 39	
Fees collected for cremation at private expense	482.50
Net cost of operation	1,341.67

XI. POUND SERVICE.

	Fiscal year.		Daily average.	
	1915	1916	1915	1916
All animals impounded	7,648	6,892	20.95	18.88
Animals collected	4,430	3,913	12.13	10.72
Fees collected	\$1,002.50	\$951.00	\$2.75	\$2.60
Employees	5	5		
Total cost of service	\$3,200.00	\$3,200.00	\$8.77	\$8.77
Cost of incidentals (approximate)	\$1,264.00	\$1,269.85	\$3.46	\$3.47

HOSPITALS AND CEMETERIES.

List of private hospitals and asylums in the District of Columbia licensed to June 30, 1916, showing location and date licensed.

HOSPITALS FOR HUMAN BEINGS.

Name.	Location.	Date licensed
Jane B. Silvester Sanatorium.....	2005 Kalorama Road NW.....	Apr. 21, 1910
Garfield Memorial Hospital.....	Tenth Street and Florida Avenue NW.....	Feb. 18, 1911
Georgetown University Hospital.....	Thirty-fifth and N Streets NW.....	Mar. 1, 1911
Sibley Memorial Hospital.....	North Capitol and Pierce Streets NW.....	Mar. 4, 1911
Episcopal Eye, Ear, and Throat Hospital.....	1147 Fifteenth Street.....	Oct. 4, 1911
Children's Hospital.....	Thirteenth and W Streets.....	Sept. 8, 1911
National Homeopathic Hospital.....	N and Kirby Streets.....	July 6, 1911
Washington Eye, Ear, and Throat Hospital.....	4 Iowa Circle.....	June 14, 1913
Margaret J. Thompson and Alice M. Prentiss.....	1417 Rhode Island Avenue.....	Aug. 27, 1913
Dr. H. R. Street and Ida M. Brown.....	1414 Girard Street NE.....	Nov. 21, 1913
Washington Sanitarium Hospital.....	1252 Sixth Street SW.....	July 8, 1914
Kin-Po Remedy Co. (Inc.).....	1032 Seventeenth Street NW. and 1700 L Street NW.....	Feb. 12, 1915
Dr. William I. Kelchner.....	2 Iowa Circle NW.....	Mar. 5, 1915
Capital City Sanitarium.....	Fifteenth Street and Ohio Avenue NW.....	Nov. 5, 1915

HOSPITALS FOR ANIMALS.

C. B. Robinson.....	222 C Street NW.....	Dec. 6, 1909
Cecil French.....	Twentieth Street and Park Road NW.....	Feb. 8, 1910
J. P. Turner.....	916 O Street NW.....	Feb. 18, 1910
D. E. Buckingham.....	2115 Fourteenth Street NW.....	Mar. 25, 1910
C. F. Hadfield.....	36 New York Avenue NW.....	May 5, 1910
Bosley & Weeks.....	309 Sixth Street NW.....	June 23, 1910
E. S. Walmer.....	3247 Prospect Avenue NW.....	May 21, 1911
Theo. Schondau.....	20 Decatur Street NE.....	Oct. 25, 1911
John P. Keller.....	2630 Twelfth Street NE.....	June 14, 1913
W. P. Collins.....	2130 P Street NW (rear).....	Mar. 7, 1914

ASYLUMS FOR HUMAN BEINGS.

Florence Crittenton Home.....	218 Third Street NW.....	Mar. 25, 1910
Home for Incurables.....	S Street between Thirty-first and Thirty-second NW.....	July 19, 1910
Children's Country Home.....	Grant Road NW.....	Do.
St. Vincent's Orphan Asylum.....	Edgewood, D. C.....	Do.
Masonic and Eastern Star Home.....	Takoma, D. C.....	Feb. 24, 1911
St. Ann's Infant Asylum.....	2300 K Street NW.....	Do.
St. Joseph's Male Orphan Asylum.....	924 H Street NW.....	Mar. 6, 1911
Epiphany Church Home.....	1221 Massachusetts Avenue NW.....	Mar. 23, 1911
Edes Home.....	2929 N Street NW.....	Mar. 25, 1911
Woman's Christian Association.....	1719 Thirteenth Street NW.....	Mar. 29, 1911
Methodist Home.....	601 M Street NW.....	Apr. 12, 1911
Presbyterian Home.....	1420 M Street NW.....	May 13, 1911

List of cemeteries.

Addison Chapel.....	Green Vale.....	National Capital Hebrew Association.
Adas Israel.....	Harmony.....	Oak Hill.....
Above Shalom.....	Hillsdale.....	Payne's.....
Baptist.....	Holy Rood.....	Potters' Field.....
Battle Ground. ¹	Jones Chapel.....	Prospect Hill.....
Blue Plains. ²	Macaphelia. ¹	Rock Creek.....
Christian. ¹	Macedonia.....	St. Albans. ¹
Congressional.....	Methodist Tennallytown.....	St. Mary's.....
Elesavetgrad Cemetery Association.....	Moore's.....	Talmud Torah.....
Georgetown Convent.....	Mount Olivet.....	United States Soldiers' Home.....
Glenwood.....	Mount St. Sepulchre, Francis-can Cemetery.....	Visitation Convent.....
Government Hospital for the Insane.....	Mount Zion.....	Washington Hebrew Woodlawn.....

Crematories.

J. William Lee's.

| District of Columbia public crematory.

¹ No interments during the year.² For indigents.

AVERAGE GRADES OF MILK DISTRIBUTED IN THE DISTRICT OF COLUMBIA DURING THE YEAR ENDING JUNE 30, 1916, ARRANGED ACCORDING TO CLASSES OF MILK SOLD AND NAMES OF DISTRIBUTORS.

For a statement of the method of determining these grades see United States Public Health Reports, volume 28, No. 8, February 21, 1913.

A perfect grade (100) is made up as follows:

Dairy farms on which milk was produced; equipment and methods.....	16 ² / ₃
Dairy cattle on farms on which milk was produced; health and cleanliness....	16 ² / ₃
Dairy from which milk is distributed to consumers; equipment and methods..	16 ² / ₃
Nutritive value of milk as determined by chemical analyses.....	16 ² / ₃
Wholesomeness, cleanness, and keeping qualities, as determined by bacteriological analyses.....	33 ¹ / ₃

Total..... 100

ORDINARY RAW MILK.

Alsop, B. F.....	65.46	Judd & Hodges ¹	85.56
Auth Bros.....	77.26	Keefe, Mrs. Julia.....	81.93
Bassford, M. L. ¹	84.29	Landon, J. S.....	81.35
Bayne, Thomas.....	74.81	Leapley, C. E.....	79.50
Blundon, Francis ¹	91.88	Malone, W. L.....	79.74
Boyle, J. & C.....	67.80	Marcey, Julius.....	64.93
Brown, A. J.....	78.10	Markham, Edward.....	73.17
Buckley, Mrs. Ida.....	72.06	Mayhew, L. E.....	73.64
Buddington, Arthur ²	85.21	Milton, M. R.....	78.04
Buddington, Francis ²	73.75	Moffett, R. S. ²	66.46
Carter, L. J. ²	43.70	Mulligan, S. C.....	74.55
Castle, J. W.....	59.94	Murphy, J. W.....	75.22
Cleveland, Luther.....	61.13	Myers, J. W.....	83.63
Cornelius Bros. ²	71.65	Orrison, J. S.....	60.37
Cudmore, P. A.....	64.54	Producers' Milk & Cream Exchange ²	67.66
De Argo, Peter.....	83.79	Reilly, G. F.....	65.62
Dorr, John & George.....	76.66	Reilly, J. P.....	87.47
Gates, H. B.....	83.35	Richter, John.....	71.11
Gill, Mrs. Charlotte.....	73.70	Ruppert, J. H.....	84.44
Gladding, Mrs. Isabell ²	77.63	Shawn, M. P.....	64.94
Gormley, P. F. ¹	77.56	Shumate, G. H.....	72.73
Gray, G. T.....	64.75	Soper, R. F.....	86.95
Haight, Mrs. A. R.....	81.39	Tenley, A. C.....	85.84
Healey, Thomas.....	71.03	Thomas, Mrs. Elizabeth.....	77.94
Hefflin, M. C.....	73.42	Thompson Sisters.....	78.94
Hefflin, S. L. ²	58.46	Tudge, John.....	72.29
Heine, Fred.....	74.70	Wahler, Joseph ¹	81.46
Heurich, Chris. ²	82.66	Walden, Charles.....	82.79
Hill, C. T.....	70.13	Welsh, H. F. ²	72.14
Hornor, C. V.....	64.10	Welker, W. E.....	75.84
Horrigan, Albert.....	75.95	Wilson, C. G. ²	64.77
Houser, Howard.....	82.17	Wilson, S. B. ²	65.82
Hyson, Albert ²	56.05	Wire, J. J. ²	70.55
Johnson, C. M. ²	63.70		
Johnson, David.....	80.57		

Average grade of all milk of this class.. 73.98

SPECIAL RAW MILK.

Oyster, G. M. ²	83.99	White Cross Milk Co. ²	59.23
Thompson, C.....	69.43	Wise, G. A. & Bro.....	87.99
Thompson, C. (Woodbridge).....	75.01		
Thompson Sisters.....	86.60		
Walker Gordon Laboratory.....	99.49		

Average grade of all milk of this class.. 80.25

CERTIFIED MILK.

Oyster, G. M.....	99.13
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PASTEURIZED MILK.

Alden, H. L.....	81.42	Seleeman, W. R.....	65.94
Black, H. L. & Son.....	63.72	Simpson, W. A.....	75.27
Bowles, J. J.....	66.14	Storm & Sherwood.....	84.37
Dade, C. G. & Co.....	63.88	Tanner & Bowles.....	50.09
Estes, J. W.....	81.19	Thompson, Corbin.....	75.40
Glade Valley Dairy ³	83.38	Thompson Sisters.....	87.10
Gregg, J. W.....	81.32	White Cross Milk Co.....	68.58
Helm & Mowatt ³	69.20	Wise, G. A. & Bro.....	87.35
Meeks, H. L. ²	54.18		
Oyster, G. M.....	90.12		
Seidenberg, W. F.....	83.15		

Average grade of all milk of this class.. 74.31

¹ Figures represent only a portion of the year. Omissions due to insufficient data in the health department to fairly compute a grade.

² Figures represent only a portion of year; discontinued selling milk at retail.

³ Started in business after the beginning of the year.

APPENDIX F.

**LAWS AND REGULATIONS RELATING TO PUBLIC HEALTH IN
THE DISTRICT OF COLUMBIA, ENACTED FROM DECEMBER
3, 1915, TO JUNE 30, 1916.**

AUGUST 3, 1915.

Ordered, That, under the provisions of section 7 of the act of Congress approved June 19, 1878, entitled "An act to create a revenue in the District of Columbia by levying a tax upon all dogs therein, to make such dogs personal property, and for other purposes," the commissioners hereby give notice that every dog in the District of Columbia shall, for a period of one year from and after the 10th instant, wear a good and substantial muzzle, securely put on, so as to prevent it from biting or snapping, and any dog going at large during said period, without such muzzle, shall be taken up by the poundmaster and impounded.

By order:

D. J. DONOVAN, *Secretary*.

(Officially published in all Washington papers, August 7, 1915.)

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
EXECUTIVE DEPARTMENT,
Washington, December 3, 1915.

Ordered, That the following regulation is hereby adopted relative to the common use of drinking cups in the District of Columbia:

**REGULATION TO GOVERN THE COMMON USE OF DRINKING CUPS IN THE
DISTRICT OF COLUMBIA.**

SECTION 1. No person shall provide or expose any cup, mug, drinking glass, or similar article for use by the public generally in any place under his control, or allow any cup, mug, drinking glass, or similar article to be so provided, exposed, or used there, unless such cup, mug, drinking glass, or other article has been thoroughly cleansed and has been sterilized since last used.

SEC. 2. Any person who violates any of the provisions of this regulation shall, on conviction thereof, be punished by a fine not exceeding \$25.

SEC. 3. This regulation shall take effect on and after February 1, 1916.

Official copy furnished health department.

By order:

D. J. DONOVAN, *Secretary*.

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
EXECUTIVE DEPARTMENT,
Washington, December 3, 1915.

Ordered, That the following regulation is hereby adopted relative to the common use of towels and similar articles in the District of Columbia:

REGULATION TO GOVERN THE COMMON USE OF TOWELS AND SIMILAR
ARTICLES IN THE DISTRICT OF COLUMBIA.

SECTION 1. No person shall provide or expose any towel or similar article for use by the public generally in any place under his control, or allow any towel or similar article to be so provided, exposed, or used there, unless such towel has been thoroughly cleansed since last used.

SEC. 2. Any person who violates any of the provisions of this regulation shall, on conviction thereof, be punished by a fine not exceeding \$25.

SEC. 3. This regulation shall take effect on and after February 1, 1916.

Official copy furnished health department.

By order:

D. J. DONOVAN, *Secretary.*

COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
EXECUTIVE DEPARTMENT,
Washington, December 3, 1915.

Ordered, That the following regulations are hereby adopted relative to the common use of certain table and toilet articles in the District of Columbia for common use in the District of Columbia:

REGULATIONS TO GOVERN THE COMMON USE OF CERTAIN TABLE AND
TOILET ARTICLES IN THE DISTRICT OF COLUMBIA FOR COMMON USE
IN THE DISTRICT OF COLUMBIA.

SECTION 1. No person shall provide or expose for common use, or permit to be provided or exposed for common use, in any hotel, restaurant, lunchroom, store, shop, school, office building, place of amusement, or any similar establishment, any article named below, unless it has been thoroughly cleansed since last used; that is to say, any cup, mug, glass, fork, spoon, finger bowl, jar, spirometer mouth-piece, napkin, towel, or similar article.

SEC. 2. No person shall put any beverage, food, ice cream, or similar article, preserves, condiment, or flavoring extract or sirup, into any cup, mug, glass, jar, can, bottle, or other receptacle not provided by the purchaser, for sale, unless the same has been thoroughly cleansed before such filling and that is clean at the time thereof; nor, after July 1, 1916, unless to the knowledge of the person filling the same, said cup, mug, glass, jar, can, bottle, or other receptacle has been sterilized by hot water or by steam since last used. No person shall knowingly have in his custody or possession for sale any cup, mug, glass, jar, can, bottle, or other receptacle filled in violation of these regulations.

SEC. 3. No person shall maintain any hotel, restaurant, lunch room, eating place, barroom, saloon, soda-water fountain, or other place where food or drink is sold for consumption on the premises; or any hospital or asylum for human beings; or any beverage, food, ice cream or similar article, preserves, condiment, or flavoring sirup or extract is bottled, canned, or packed, unless the same be provided with adequate facilities for the cleansing and sterilization of all cups, mugs, drinking glasses, forks, spoons, and finger bowls used by any patron, customer, patient, inmate, visitor, or employee, and of all bottles, jars, cans, and other receptacles filled for sale.

SEC. 4. Any person violating any of the provisions of these regulations shall be punished, on conviction thereof, by a fine not exceeding \$25.

SEC. 5. These regulations, except as otherwise hereinbefore specified, shall take effect on and after February 1, 1916.

Official copy furnished health department.

By order:

D. J. DONOVAN, *Secretary.*

APPENDIX G.

LIST OF PHYSICIANS ENTITLED TO PRACTICE MEDICINE IN THE DISTRICT OF COLUMBIA SEPTEMBER 1, 1916.

Abbe, Truman.	Barnes, Noble P.	Boomhower-Guibord, Al-	Bush, Daniel P.
Abbot, Griffith E.	Barnes, Wm. M.	berta S.	Butler, Arthur R.
Abernethy, Eric A.	Barnesby, Walter R.	Borden, Dan L.	Butler, Chas. S., U. S. N.
Acker, George N.	Barnhart, Grant S.	Borden, Wm C., U. S. A.	Butler, E. Flag.
Adams, Jesse Lee.	Barrett, P. M.	Boss, Rufus D.	Butler, William K.
Adams, Hoy D.	Barrie, George.	Bost, Thomas C.	Butterfield, Elmore E.
Adams, Samuel S.	Barrington, Richard I.	Boswell, Archie W.	Butz, Abraham D.
Ainsworth, F. C.	Barry, Edmund.	Boteler, William C.	Byner, Chas. B., U. S. A.
Alderman, Zenas W.	Barry, John P.	Bovee, J. Wesley.	Byrne, Patrick J.
Alexander, Rose.	Barstow, Edward C.	Bowen, William S.	Byrne, Walter C.
Alleger, Walter W.	Barstow, Kate D.	Bowers, John F.	Byrnes, William F.
Alleman, Albert.	Barton, Wilfred M.	Bowker, Chas. H.	Cabaniss, George W.
Allen, Chas. Alexander.	Bartsch-Dunne, Anna.	Boyd, Carl B.	Cabell, J. M., U. S. A.
Allen, Charles L.	Bastian, J. W.	Boyd, Chas. I.	Cahill, James A., jr.
Allen, Charles W.	Battle, Lewis J.	Boyle, Cornelius B.	Caldwell, Charles T.
Allen, Elijah H.	Battles, Samuel L.	Boyle, Edward M.	Caldwell, Harry C.
Allen, Elzora B.	Bayly, Rozier C.	Brackett, John E.	Calver, Geo. M.
Allen, H. Jerome.	Bayne, J. Breckenridge.	Braden, Francis W.	Calvert, Finley H.
Allen, Jacob S.	Beale, Robert S.	Bradfield, Jefferson D.	Camalier, Franklin A.
Allen, James H.	Beall, Chas. M.	Bradley, Geo. P., U. S. N.	Camden, Patta.
Allen, John.	Beaman, Carroll J.	Bradley, Jeter C.	Cameron, Malcolm.
Ammerman, Charles C.	Beattie, Wray.	Brady, John C.	Camp, George H.
Anderson, C. T. G.	Beatty, Louis Kelley.	Brady, Zadoc M.	Campbell, Charles B.
Anderson, Joseph W.	Beatty, Walter K.	Brazan, George D.	Cannon, James S.
Anderson, U. Grant.	Beckett, George M.	Braisted, Wm. C. U. S. N.	Cannon, Walter D.
Arbeely, A. J.	Beckley, F. R.	Brandenburg, W. H. R.	Cardoza, Francis J.
Armstrong, Wm. J.	Beebe, William B.	Brandt, Wm. E.	Carman, Louis D.
Arnold, Guy F.	Beenewis, Henry, U. S. A.	Branson, Joseph H.	Car michael, Randolph B.
Arnold, John S.	Behrend, Adajah.	Brecht, Nelson D. Val.	Car michael, C. P.
Arntzen, Julius Leo.	Behrend, Edwin B.	Breckenridge, Scott D.	Carpenter, D. N., U. S. N.
Arthur, Wm. H., U. S. A.	Behrend, Sidney.	Brennan, John F.	Carr, W. Browne.
Arthurs, S. J.	Bell, Chas.	Brenszner, Gilmer.	Carr, William P.
Arwine, James T.	Bell, Wm. H., U. S. N.	Brent, Clarence E.	Carrio, A. J.
Ashburn, P. M., U. S. A.	Bennett, A. B., jr.	Brewer, Isaac W.	Carroll, James.
Ashford, Bailey K.	Bennett, Harrison M.	Brewer, Gilbert R.	Carroll, Robert L.
Ashford, Francis A.	Bennett, Maitland C.	Brick, Geo. J.	Carson, Simeon L.
Ashford, Mahlon.	Bennett, Robert A.	Bricker, Sacks.	Carter, Durus D.
Atkins, Paul N.	Bennit, William W.	Bridger, James D.	Carter, F. C., U. S. A.
Atkinson, Francis V.	Beresford, Galsworthy G.	Briggs, John D.	Carter, William C.
Atkinson, John F.	Bermann, Isador.	Briscoe, John P.	Castell, L. B.
Atkinson, Wade H.	Bernstein, Hymon.	Bronson, Charles E.	Castelli, Enrico.
Atwell, John R.	Bevard, William A.	Brooks, Carroll A.	Caylor, Claude C.
Avery, Frederick S.	Biggs, Joseph R.	Brooks, John Doshir.	Chadwick, De Witt C.
Ayres, Wm. W.	Billard, Chas. Lewis.	Brooks, J. Lester.	Chaims, Geo. S.
Babbitt, George E.	Billard, Jules F.	Brooks, Phil. B.	Chamberlin, Frank T.
Babbitt, Zeno B.	Bingman, Carroll E.	Brosius, Mary Alice.	Chancellor, P. S.
Bacas, Henry.	Birdsall, Charles W.	Brown, Charles W.	Chapman, Thomas P.
Bacon, A. Maynard.	Birdsall, Gregg Custis.	Brown, Harry Lee.	Chappell, John W.
Bacon, Robert B.	Birmingham, H. P.,	Brown, Hugh A.	Chappell, Sidney L.
Baggett, John B.	U. S. A.	Brown, Mary L.	Childs, Creed W.
Baier, G. K.	Birney, Edith S.	Brown, Orville J.	Chipman, C. N.
Bailey, Emerson S.	Birtwell, Daniel T.	Brown, Robert W.	Chisom, Francis M.
Bailey, Grafton D. P.	Biscoe, Frank L.	Brown, Sara Winifred.	Choate, Rufus.
Bailey, Henry L.	Bishop, H. A.	Brown, W. Hayes.	Christie, Arthur C.,
Bailey, Wm. O.	Bishop, Herbert F.	Browne, Rhodie W.	U. S. A.
Bain, Seneca B.	Blackburn, Isaac W.	Browning, Andrew J.	Christmas, Wm. W.
Baker, Frank.	Blackburn, Richard S.	Brumbaugh, Galus M.	Church, James R.
Baker, Frank Cole.	Blaine, Robt. G.	Brummett, Randolph B.	Clark, Chas. Herman.
Baker, Leigh V.	Bair, Joseph D.	Bryan, Joseph H.	Clark, George C.
Baker, May D.	Blake, Levi C.	Bryson, Herbert J.	Clark, James J.
Baker, Osmyrn.	Blake, Louisa M.	Buchanan, Chas. M.	Clark, John Alex.
Baker, Robert W.	Blakistone, Julian C.	Buchanan, Wm. R.	Clark, Taliaferro.
Baker, Willie W.	Bliss, Charles L.	Buck, John R.	Clarke, Wm. Earl, jr.
Baldus, William T.	Bloedorn, W. A., U. S. N.	Bunnemeyer, Bernard.	Clarke, Winfield S.
Baldwin, C. A.	Bloom, R.	Burbank, Caryl.	Clayton, James G.
Baldwin, Moshy.	Blue, James T.	Burch, Edward W.	Claytor, Thomas A.
Balloch, Edward A.	Bogan, Fred. Macon.	Burch, W. Thompson.	Clemens, James E.
Banister, W. B., U. S. A.	Bogan, Isabel K.	Burke, Francis E.	Clement, A. B. C.
Barber, James M.	Bogan, Joseph B.	Burke, Fredk. B.	Clements, Lyman J.
Barber, Robt. T. J.	Bogan, Mary Elizabeth.	Burke, John W.	Clements, Carl Anson
Barbour, Frank A.	Bogan, Samuel W.	Burns, Wm. P.	Clifford, John S.
Barger, A. S.	Boggess, John S.	Burritt, Alice.	Coale, Edith Seville.
Barger, G. J. P.	Bogle, John C.	Burritt, Martha Clark.	Coblentz, Horace B.
Barker, Howard W.	Bogle, Kate B.	Burwell, Hartford R.	Coburn, Henry C., jr.

- Coe, Anton.
 Cogswell, Frank B.
 Cole, George R. Lee.
 Cole, John T.
 Coleman, Horace.
 Collender, Geo. R., U. S. A.
 Collins, Albert R.
 Collins, Charles R.
 Collins, George L., U. S.,
 P. H. S.
 Collins, James C.
 Collins, James H.
 Collins, John F.
 Collins, Saml. J. B.
 Colwell, Clifford B.
 Compton, Arthur G.
 Conklin, Coursen B.
 Conklin, Rush W.
 Conner, William H.
 Conrad, Thos. K.
 Constat, John.
 Conyneton, Wm.
 Cook, Elmore A. A.
 Cook, George W.
 Cook, Giles B.
 Cook, Henry C.
 Cook, Richard L.
 Cook, Saml. Le Count.
 Cooke, Robert R.
 Cooke, Thomas C.
 Coolidge, Augustus B.
 Copeland, Edgar B.
 Corbin, William E.
 Corey, George B.
 Corley, Karl C.
 Cornish, Mabel.
 Coumbe, Arthur G.
 Coumbe, Oscar H.
 Cousins, Sidney C.
 Cowden, J. Morrow.
 Cowper, Arnold W., U.
 S. A.
 Cox, Oliver C.
 Cox, S. Clifford.
 Craig, Albert E.
 Craig, Henry K.
 Craig, John M.
 Cram, A. M.
 Crandell, Henry N.
 Crawford, C. Alexander.
 Crawford, Chas. B.
 Critchton, Macpherson.
 Crittenden, Thomas B.
 Crocicchia, Antonio.
 Crook, Harrison.
 Crosby, W. D., U. S. A.
 Crosson, Henry J.
 Crowe, John W.
 Cruch, B. Alice.
 Cummskey, Edw. F.
 Curriden, George A.
 Curtis, Arthur Leo.
 Curtis, Austin M.
 Custis, George W. N.
 Custis, J. B. Gregg, jr.
 Custis, Marvin A.
 Cuthbert, Middleton F.
 Czara, Sigmund A.
 Dabney, Virginius.
 Danforth, Roderick F.
 Daley, James N.
 Daniel, Robert A.
 Daniels, Uriah J.
 Darby, John J.
 Darby, Taylor E.
 Darnall, Moses H.
 Darrah, Austin A.
 Davidson, Edward Y.
 Davis, Carl L.
 Davis, Carrie C.
 Davis, Charles A.
 Davis, Daniel G.
 Davis, Dowdell H.
 Davis, Frank F.
 Davis, George P.
 Davis, George W.
 Davis, Llewellyn F.
 Davis, Wm. T.
 Dawson, Charles F.
 Day, Geo. Frank.
 Dear, Wm. R.
 Dearborn, Reuben B.
 De Carré, Alfred.
 Deeble, Horace M.
 Delaney, Martin D.
 De Laney, M. A., U. S. A.
 Demarest, Cornelius L.
 Denison, Raymond C.
 Dennis, J. B., U. S. N.
 Dennison, Ira W.
 Dessez, Paul T., U. S. N.
 De Saussure, R. L.
 Devereux, J. Ryan.
 De Vries, J. Carlisle.
 De Weese, Cornelius.
 Dewey, Christian H.
 Dickinson, Dwight, U.
 S. N.
 Dickinson, Dwight, jr.
 Dickson, S. H., U. S. N.
 Didier, Frederick W.
 Digges, John H.
 Dillenberg, William J.
 Dixon, Henry M.
 Dixon, Taylor B.
 Dixon, Wm. S., U. S. N.
 Dobson, Herbie A.
 Dobson, William H.
 Dolan, Patrick V.
 Dollman, Clarence M.
 Donn, Fred'k Y.
 Donnelly, Harry H.
 Dorsey, John S.
 Douglas, Alanson S.
 Douglas, James S.
 Dowling, James C.
 Dowling, Thomas, jr.
 Downes, Julia V.
 Downey, Alice W.
 Drane, Frank C.
 Drenford, George.
 Drennan, Lawrence M.
 Drew, Henry C.
 Dubose, George P.
 Duehring, Frank E.
 Duennner, Robert H., U.
 S. A.
 Duffey, Hugh C.
 Dufour, Clarence R.
 Dugan, C. L.
 Dulaney, Joshua L.
 Dumas, Michael O.
 Dunbar, A. W., U. S. N.
 Dunlop, John.
 Dunn, Roy F.
 Dunn, Henry A.
 Dunn, Harold E.
 Durfee, R. B.
 Dyer, John C.
 Dyer, J. F.
 Dykes, J. R., U. S. N.
 Dynan, Nicholas J.
 Eager, J. M., M. H. S.
 Eastler, R. A.
 Eastham, Granville.
 Eaten, William E., U.
 S. N.
 Ecker, Lewis C.
 Eckhardt, J. C.
 Eddy, Otis S.
 Edie, G. L., U. S. A.
 Edmunds, Meade Ran-
 dolph.
 Edwards, Geo. M., U. S. A.
 Egbert, Edw. H.
 Eggleston, George W.
 Eggleston, James D.
 Eisenberg, Arthur A.
 Eisenberg, J. J.
 Eldridge, Watson W., jr.
 Elgin, Fisk.
 Elgin, William F.
 Elliot, Llewellyn J.
 Elliot, Johnson.
 Elliott, Charles S.
 Elliott, Jere B.
 Elliott, Henry R.
 Elliott, L. E.
 Elliott, M. S., U. S. N.
 Ellis, Hannah C.
 Ellis, Joseph C.
 Ellison, Everett M.
 Ellyson, Robert M.
 Elmore, Bruce, U. S. N.
 Emery, O. V.
 Emery, W. G.
 Emmons, Charles M.
 English, Charles H.
 English, L. H.
 English, Merton A.
 Eppard, George I.
 Erbach, Amelia.
 Erving, Emma L.
 Erving, Wm. G.
 Esch, Victor H.
 Eslin, James T.
 Evans, Albert W.
 Evans, Margaret R.
 Evans, Wilson B.
 Eversfield, Wm. O.
 Ezdorf, Rudolph, H. von.
 Fadeley, George B.
 Fagin, Emmett A.
 Fairly, James M.
 Falconer, Bolivar L.
 Fales, Ella Roy.
 Fales, Warren D.
 Farquhar, Charles.
 Farquhar, Raymond R.
 Farwell, Wrey G., U. S. N.
 Fauntleroy, A. M., U. S. A.
 Featherstonhaugh,
 Thomas.
 Ferguson, Charles E.
 Ferguson, Thomas M.
 Ferris, N. Sherwood.
 Fillebrown, John P.
 Finch, Erastus M.
 Finley, Clara B.
 Fishbat, Albert S.
 Fischer, Howard.
 Fischer, Melville B.
 Fischer, Raymond A.
 Fiske, Charles N., U. S. N.
 Fitz-Hugh, William De A.
 Fitzsimons, P., U. S. N.
 Fletcher, Chas. C.
 Fletcher, G. H.
 Floria, Salvatore.
 Flower, Alfred H.
 Flynn, James A.
 Foley, Thomas M.
 Folkmar, Elmore C.
 Foote, John A.
 Ford, J. Herbert.
 Ford, Roland H.
 Ford, William C.
 Forston, Keen R.
 Foster, Chas. L.
 Foster, Geo. W.
 Foster, Romulus A.
 Foster, Warren W.
 Fowler, Ernest W.
 Fowler, Harry A.
 Fowler, Samuel R.
 Fowler, William C.
 Fox, George L.
 Fox, William H.
 Foye, A. Frances.
 Fraction, James M.
 Francis, Melton A.
 Frankland, W. Ashby.
 Franklin, E. T. M.
 Franzoni, Chas. W.
 Freeman, George F.,
 U. S. N.
 Freeman, Henry W., jr.
 Freeman, P. L., U. S. A.
 French, Leigh H.
 French, William B.
 French, Wm. J.
 Frey, J. Pau.
 Frischkorn, Robt. Walter.
 Frost, Ellis F.
 Frost, John W.
 Fry, Henry D.
 Fry, Samuel.
 Fuller, Homer G.
 Furcon, Gustavus W.
 Glazato, W. Frank.
 Gallagher, Matilda J.
 Galloway, B. E.
 Gannon, James A.
 Gappen, Nelson.
 Gardner, Joseph N.
 Gardner, Michael E.
 Garnett, Alex. G. P.
 Garrison, Fielding H.
 Garthwaite, Isaac S.
 Garvin, Chas. H.
 Garvin, Mary J.
 Gaston, W. M., U. S. N.
 Gaver, John W.
 Geddings, R. M.
 Gehring, Gustave P.
 Gehring, Geo. M.
 Gentsch, Daniel C.
 Gentzkow, Cleon J.
 Gibson, Frank E.
 Gibson, John S.
 Gibson, R. H.
 Gilbert, C. Evelyn.
 Gilchrist, Edg. Y.
 Gilchrist, Harry F.,
 U. S. A.
 Gill, William T.
 Gill, Lee A.
 Gillette, Hubbard.
 Gilliland, Orange C.
 Girard, A. C., U. S. A.
 Gladman, Edwin.
 Glascock, Alfred.
 Glazebrook, Larkin W.
 Gleason, James K. P.
 Glennan, J. D., U. S. A.
 Glueck, Bernard.
 Glover, Mervin W.
 Glushak, Leopold.
 Gochenour, David
 Thomas.
 Godfrey, Carlos E.
 Godfrey, George M.
 Goines, William H.
 Gorthwaite, Ralph H.,
 U. S. A.
 Goodall, Henry S.
 Goodman, Hector H.
 Goodman, William R.
 Gosling, Henry L.
 Gracy, George W.
 Graham, James F.
 Graham, Neil D.
 Graham, Neil F.
 Granfield, Charles P.
 Grant, M. L. T.
 Grasty, Thos. S. D.
 Gray, Augustus C.
 Gray, Clarence A.
 Gray, H. M.
 Grayson, Charles S.
 Grayson, C. T., U. S. N.
 Green, Eric S.
 Green, Julia M.
 Green, Wm. H.
 Greene, Lawrence M.
 Greene, Louis S.
 Greene, Samuel H., jr.
 Greene, Willard H., jr.
 Greenleaf, Harry S.
 Greentreet, A. G.
 Griffin, Ino. C.
 Griffin, Thomas A.
 Griffith, Charles I.
 Griffith, Lewis A.
 Griffith, Michael J.
 Griffith, Monte.
 Griffith, S. H., U. S. N.
 Griffith, Thos. E.
 Griffith, Wilmer E.
 Grissinger, Jay W., U. S. A.
 Groce, Henry R.
 Groce, S. Marie.
 Groff, Chester C.
 Groover, Thomas A.
 Gross, Alfred G.
 Grove, W. B., U. S. N.

- Grubbs, R. B.
 Gruel, Louis T.
 Grunwell, Alfred G.
 Guerra, A. L.
 Guibord, Alberta
 Boomhower.
 Gunion, John Paul.
 Gunning, Edw. J.
 Guss, Harry T.
 Gwynn, Oscar J.
 Gwynn, Wm. C.
 Haas, Carleton D.
 Hageman, Anna W.
 Hagner, Charles E.
 Hagner, Francis R.
 Haig, Chester R., U. S. A.
 Halord, Joseph W.
 Hall, Arthur J.
 Hall, Custis Lee.
 Hall, D. D.
 Hall, J. Mitchell.
 Hall, Julia R.
 Halpin, James Anthony.
 Hamilton, James R.
 Hamilton, Ralph A.
 Hamilton, Richard T.
 Hammett, Chas. M., jr.
 Hammond, Thos. V.
 Hammond, T. Victor, jr.
 Hampson, Elizabeth.
 Hance, Theodore F.
 Hancock, Eugene Thos.
 Handy, Wm. E.
 Hannan, Samuel L.
 Hanson, Louis H.
 Hardesty, Joseph R. L.
 Hardesty, Wm. S.
 Hardin, B. L.
 Harding, Gena R.
 Harding, Harry T.
 Harding, Ralph A.
 Harlan, Tharos.
 Harmer, James B.
 Harrington, Francis E.
 Harris, Norman W.
 Harrison, Bernard H.
 Harrison, Chas. A.
 Harrison, Charles S.
 Harrison, Herbert A.
 Harrison, James S.
 Harrison, John S.
 Harrison, Julia C.
 Hart, James W.
 Hartsock, Fredk. M.
 Harvey, A. K. P.
 Harvey, Heber McK.
 Harvey, Levin A.
 Hasbrouck, Edwin M.
 Hasseltine, H. E., U. S.
 P. H. S.
 Hathaway, G. S., U. S. N.
 Havard, Valery, U. S. A.
 Haveraner, George C.
 Hawxhurst, Howard H.
 Hayden, Reynolds.
 Hayes, Frank C.
 Hayes, Henry L.
 Hayes, J. Robert.
 Haynes, Henry M.
 Hays, Melville A.
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 Hazen, Henry H.
 Hazen, William P. C.
 Healy, Chas. B.
 Helebower, Roy C.
 Heer, Arthur, jr.
 Heiberger, Ida J.
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 Heiner, Robert G.
 Heiser, William H.
 Heitmuller, George H.
 Heller, Irma I.
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 Hellman, Chas. R., U. S. A.
 Helton, Addison S.
 Hemler, Wm. F.
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 Henning, Samuel C.
 Henry, Wm. W. N.
 Hensley, James T.
 Hepburn, James H.
 Herald, Avediss R.
 Herbert, Joseph Wells.
 Herbst, Wm. P., jr.
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 Heron, William H.
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 Higgins, Daniel W.
 Higgins, Montgomery E.
 Higgins, Raymond P.
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 Hilliard, W. T., jr.
 Hilton, James F.
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 Hinkel, Henry J.
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 Hodgson, Charles S.
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 Holland, Josiah H.
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 Hollifield, Horatio B.
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 Hooper, Lionel E.
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 Hopkins, J. Milton.
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 Horigan, William D.
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 Hornbrook, Frank W.
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 Hough, J. Spencer.
 Hough, Wm. H.
 Houghton, Montafix W.
 House, Z. E.
 Housel, Firman.
 Houston, U. L.
 Howard, Areturus Lee.
 Howard, C. Norman.
 Howard, D. C., U. S. A.
 Howard, Geo. T.
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 Howard, Wm. J., jr.
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 Hudson, Wm. Burrows.
 Hughes, John Cecil.
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 Hummer, Harry R.
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 Hyde, Chas. W.
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 Ireland, M. W., U. S. A.
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 Irvine, R. S.
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 Israeli, Baruch.
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 Jaeger, H. W.
 Jaisohn, Philip.
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 Nanning, Wm. Sanders.
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 Mead, Theodore.
 Mebane, William W.
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 Miller, G. Brown.
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 Montgomery, Chas. W.
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 Moore, Howard R.
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 Moran, John F.
 Morgan, Edward L.
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 Murphy, John P. H.
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 Murray, J. Donaldson.
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 Musgrave, Percy.
 Nagel, Patrick E.
 Napper, Walter P.
 Nash, Francis S.
 Neal, J. H.
 Neale, John S.
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 Neff, Wallace.
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 Nichols, Fenton Mercer.
 Nichols, John B.
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 Nolan, Fred M.
 Norcom, Henderson S.
 Northoff, Jung, Joe A.
 Norcross, Alfred C.
 Norman, Francis A.
 Norris, John L.
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 Norton, Edwin H.
 Norton, Rupert.
 Norwood, John C.
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 Ober, George C.
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 O'Connell, Jeffrey C.
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 Olesen, Robert Henry.
 Oliver, H. J., jr.
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 Onr, Henry A.
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 Overton, Geo. N. D.
 Owens, Saml. Logan.
 Owens, W. O., U. S. A.
 Owsley, William T.
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 Page, Wm. M.
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 Parker, Edward M.
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 Parsells, Chas. W.
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 Patton, William F.
 Patterson, Edwin W.
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 Pedrick, Franklin B.
 Pelzman, Ivy A.
 Pence, Charles W.
 Penrod, Hiram J.
 Penrose, Clement A.
 Percival, Francis R.
 Perkins, Louis J.
 Perkins, Robt. W.
 Perkins, Thomas L.
 Peterson, Howman H.
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 Pettes, Charles V.
 Pettus, W. J., U. S. P. H., S.
 Peyton, Harry A.
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 Philips, Wm. E.
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 Piburn, John Logan.
 Pickford, Edward F.
 Pickrell, Geo. U. S. N.
 Pierre, Samuel M.
 Piggott, John Burr.
 Pile, Mayne M.

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 Pipes, Henry F.
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 Pole, Samuel B.
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 Pool, Benjamin G.
 Poole, Francis H.
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 Posey, Orlando J.
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 Pottler, Margaret S.
 Poulton, William E.
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 Power, E. M.
 Prather, John W.
 Pratt, Alexis L.
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 Prentiss, Daniel W.
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 Prewitt, George T.
 Price, Abel F., U. S. N.
 Price, Harry M.
 Price, Malvern H.
 Price, P. Willis.
 Price, Walter.
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 Prosperi, Milton H.
 Pryor, James C., U. S. N.
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 Pyles, J. Chester.
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 Quay, John B.
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 Quinn, William A.
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 Ransom, Stacy A.
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 Reid, Eva Charlotte.
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 Reyburn, Ella F.
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- Scott, James F.
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 Stevens, Edward.
 Stevens, Henry C.
 Stevenson, Fare C.
 Stewart, John W.
 Stewart, William A.
 Stiles, George W., jr.
 Stiles, Henry R., U. S. A.
 Stimpson, W. G., P. H. S.
 Stoddard, Leroy R.
 Stokes, Chas. F., U. S. N.
 Stone, Charles G.
 Stone, E. P., U. S. N.
 Stone, Isaac S.
 Stone, James H.
 Stone, John H., U. S. A.
 Stoneroad, Rebecca.
 Story, James J.
 Story, Leon E.
 Stout, Henry I.
 Stout, Joseph D.
 Stout, May Turner.
 Stoutenburgh, John A.
 Stowell, Charles H.
 Strawn, Estil Young.
 Street, Daniel B., jr.
 Street, Harlow L.
 Strobel, Mary L.
 Stromberger, H. H.
 Stuart, Albert R.
 Stuart, Garden C.
 Stuart, James.
 Stutz, John A.
 Suddarth, James L.
 Sudler, Oden R.
 Sudler, Thomas.
 Sullivan, Timothy Joseph.
 Sullivan, Robert Y.
 Sullivan, Wylie L.
 Sult, Chas. W.
 Summy, Benn W.
 Supplee, E. D.
 Suter, Henderson.
 Suter, W. Given.
 Sutherland, John W.
 Sutliff, Milo H.
 Sutton, Dallas G.
 Sutton, R. N.
 Swain, Benj. H.
 Swain, Oliver A. T.
 Swartwout, Frank A.
 Sweet, Fred K.
 Swormstedt, Lyman B.
 Syme, William H.
 Talbott, Edw. M., U. S. A.
 Talbott, John Allen, jr.
 Tappan, Joseph C.
 Tasker, Arthur N.
 Tastet, David W.
 Tayloe, Harry M.
 Taylor, Alfred H.
 Taylor, Chase.
 Taylor, Eugene A.
 Taylor, James E. H.
 Taylor, L. H.
 Taylor, Sterling P.
 Tefft, Frederick O.
 Terry, Philip R.
 Test, Frederick C.

Tewksbury, Wm. D.
 Thomas, Ada R.
 Thomas, Carrie H.
 Thomas, John D.
 Thomas, Wm. J. G.
 Thompkins, Wm. J.
 Thompson, Alex. C.
 Thompson, Edgar, U. S. N.
 Thompson, Edgar D.
 Thompson, Henry P. P.
 Thompson, J. Ford.
 Thompson, J. Lawn.
 Thompson, Lewis R.
 Thompson, Millard F.
 Thompson, Silas S.
 Thompson, Lewis B.
 Thonssen, William J. R.
 Tibbet, Albert P.
 Tignor, Chas. A.
 Tignor, William L.
 Tilton, Joel A.
 Tindall, Percy A.
 Titus, Elijah W.
 Tobias, Henry W.
 Tobin, Richard Francis.
 Tolson, Wm. A.
 Tomlin, Timothy H.
 Tompkins, Edmund L.
 Tompkins, George J.
 Towner, Frank H.
 Townsend, Jas. G.
 Townshend, G. D.
 Trent, Jos. P.
 Tribble, G. B., U. S. N.
 Trimble, Robt. S.
 Trow, Walter G.
 Trudgian, Josiah B.
 Tubman, James R.
 Tucker, William P.
 Turner, Molyneux.
 Turton, Wm. E.
 Twogood, Merton E.
 Tyler, Robert B.
 Ulmer, Charles A.
 Upham, William C.
 Upshaw, Thomas L.
 Vail, Wm. C.
 Vale, Frank P.
 Valentine, Aloysius W.
 Van Keuren, Jesse P.
 Van Rensselaer, John.
 Van Sweringer, Walter.
 Vaughan, Geo. T.
 Vaughan, J. M.
 Vaughan, W. W.
 Verbyrcke, J. Russell.
 Vincent, Thomas N.
 Vinciguerra, Michael.
 Von Ezdorf, Rudolph H.
 Wagner, Henry G.
 Wagner, Robert S.
 Wagner, William F.
 Walker, Abbott R.
 Walker, C. C.
 Walker, Lewis A.
 Walker, Mary E.
 Walker, Robert A.
 Walker, R. R.
 Wall, Joseph S.
 Wall, M. C.
 Wall, Max.
 Wallace, C. Jaquius.
 Wallace, Clifton R.
 Walsh, Ferdinand C.
 Walsh, John E.
 Walsh, Ralph.
 Walter, Leroy D.
 Walter, William F.
 Ward, Samuel A.
 Ward, William K.
 Warden, H. F. W.
 Warfield, William A.
 Waring, James H. N.
 Waring, J. B. H.
 Warner, Carden F.
 Warner, John W.
 Warner, Richard A.
 Warren, Benj. S.
 Warren, George W.
 Warren, Stanley S.
 Washburn, William S.
 Washington, Richard.
 Waters, Chas. H.
 Waters, Chas. L.
 Watkins, Edgar W.
 Watkins, Samuel E.
 Watkins, Victor E.
 Watson, Charles L.
 Watson, Edward J.
 Watson, James A.
 Weaver, Clarence A.
 Weaver, C. H., U. S. N.
 Webb, Daniel A.
 Webb, Frank R.
 Webb, Newton E.
 Webb, W. D., U. S. A.
 Webster, Lenora P.
 Wechsler, Benj. B.
 Weed, Mark D., U. S. A.
 Weiler, Geo. L.
 Weirich, Samuel T., U. S. A.
 Wellington, John R.
 Wells, Charles A.
 Wells, Walter A.
 Wells, Wm. A., jr.
 Wenger, Wm. H.
 Wenzel, Albert G.
 Werber, Gustavus E.
 Wertenbaker, Clark I.
 West, Charles I.
 West, John H.
 West, Richard T.
 West, William E.
 Westlake, John A.
 Wetmore, William O.
 Whaley, A. M., U. S. A.
 Wharton, John J., jr.
 Wheatley, Charles.
 Wheeler, A. J.
 Whipper, Rollin W.
 Whitby, F. D.
 White, Charles S.
 White, Davenport.
 White, Ellen P. C.
 White, Lyle C.
 Whitney, Charles F.
 Whitney, Lawrence.
 Whitney, Walter.
 Whitson, Wm. Essex.
 Whittington, Thos. A.
 Wickliffe, Thompson F.
 Wiggins, Dallas B.
 Wilder, James R.
 Wiley, Clarence C.
 Wilkinson, Alfred D.
 Wilkinson, Oscar.
 Wilkinson, Walter W.
 Willis, H. Clay.
 Willis, John M.
 Willets, David G.
 Williams, Alexander W.
 Williams, Daniel H.
 Williams, Greene D.
 Williams, H. J.
 Williams, J. Buxton, jr.
 Williams, Reginald O.
 Williams, Tom A.
 Williams, Welton C.
 Williamson, L. P., U. S. A.
 Willston, Edward D.
 Willson, Prentiss.
 Wilmer, William H.
 Wilson, Anita A.
 Wilson, Edmund C. A.
 Wilson, Edward C.
 Wilson, Lewes D.
 Wilson, Wm. H.
 Wimberly, Geo. W.
 Wingate, D. M.
 Winslow, John R.
 Wlrt, Wm. D.
 Wolfe, Edwin P.
 Wolfe, James T.
 Wood, Amos D.
 Wood, George W.
 Wood, N. N., U. S. A.
 Wood, Wm. P.
 Woode, Charles H.
 Woods, Edgar L., U. S. N.
 Woodson, T. D., U. S. A.
 Woodward, H. Wells.
 Woodward, James S., U. S. N.
 Woodward, William C.
 Woollen, L. J.
 Wooster, Mary L.
 Wooster, Walter M.
 Wright, Clarence A.
 Wright, George H.
 Wright, Hamilton K.
 Wright, Wilbur L.
 Wurdemann, H. V.
 Wyeth, Marlborough C., U. S. A.
 Wynkoop, James C.
 Yarnall, John H.
 Yarrow, Henry C.
 Yates, Frederick.
 Young, Clement C.
 Young, Clifton E.
 Young, Glendie B.
 Young, Wm. G.
 Yount, Clarence E.
 Zimmerman, Charles St V.
 Zinkhan, A. M.
 Zinkhan, Paul H.

APPENDIX H.

VITAL STATISTICS.

WASHINGTON, D. C., *September 30, 1916.*

SIR: I have the honor to submit herewith an analysis of the vital statistics of the District of Columbia for the calendar year 1915, and of the first six months of the calendar year 1916, with various tables pertaining thereto.

Vital statistics are becoming more and more useful as a means of conserving public health, as greater accuracy is obtained in their compilation and greater uniformity in the classification and nomenclature of disease. They are dependent upon complete and accurate enumeration of population and its classification according to age, sex, occupation, and topographic distribution. The population of the District of Columbia, according to the census taken in the fall of 1915 under the direction of the major and superintendent of the police, was 357,749.

It shows an increase of 4,452 since the police census of 1913; among the whites 3,787, and among the colored 665. The returns have been classified by age and sex and distributed according to certain statistical districts and in respect to street and alley dwellers. The following is a summary arranged according to race, sex, and age periods:

Police census, 1915.

	White.	Colored.	Total.
AGE.			
Under 4 years.....	18,727	7,381	26,108
5 to 9 years, inclusive.....	19,828	7,825	27,653
10 to 14 years, inclusive.....	18,852	7,746	26,598
15 to 19 years, inclusive.....	20,612	8,460	29,072
20 to 29 years, inclusive.....	49,293	20,411	69,704
30 to 39 years, inclusive.....	49,892	20,263	70,155
40 to 49 years, inclusive.....	38,768	14,005	52,773
50 to 59 years, inclusive.....	23,002	7,521	30,523
60 to 69 years, inclusive.....	12,494	3,333	15,827
70 years and over.....	7,472	1,864	9,336
Total.....	258,940	98,809	357,749
SEX.			
Males.....	125,425	45,112	170,537
Females.....	133,515	53,697	187,212
Total.....	258,940	98,809	357,749

General mortality.—Deaths from all causes numbered during the year 6,505, indicating a general death rate of 18.18. The corresponding rate for last year was 16.59. The white deaths numbered 3,918, indicating a death rate of 15.13; the colored deaths were 2,587, and the death rate for the race 26.18.

Mortality by sex and race and respective death rates.—Herewith is a statement showing the deaths and death rates by race and sex:

Mortality by sex.

Sex and race.	Population.	Deaths.	Death rates.
Males:			
White.....	125,425	2,137	17.04
Colored.....	45,112	1,311	29.06
Total.....	170,537	3,448	20.22
Females:			
White.....	133,515	1,781	13.34
Colored.....	53,697	1,276	23.76
Total.....	187,212	3,057	16.33

Comparative race mortality.—The ratio between the death rate of the white and colored race from certain specified diseases is shown below:

Mortality by race, calendar year 1915.

Diseases.	Death rate per 100,000.		Ratio of death rates white to colored.
	White.	Colored.	
Abdominal tuberculosis.....	2.3	9.1	1 to 3.96
Accidents and negligence.....	57.1	76.9	1 to 1.35
Alcoholism.....	7	4.1	1 to 0.58
Bronchitis.....	20.1	35.4	1 to 1.76
Cerebral hemorrhage.....	118.1	152.8	1 to 1.29
Cirrhosis of liver.....	16.6	8.1	1 to 0.49
Congenital debility.....	2.7	4.1	1 to 1.52
Convulsions, infantile.....	2.7	8.1	1 to 3.00
Diarrhea, etc., under 2 years.....	27.4	97.1	1 to 3.54
Dysentery.....	1.9	2	1 to 1.05
Generalized tuberculosis.....	.4	1	1 to 2.50
Marasmus under 1 year.....	18.2	21.2	1 to 1.16
Nephritis:			
Acute.....	12.7	44.5	1 to 3.50
Chronic.....	151.4	223.7	1 to 1.48
Pericarditis, endocarditis, myocarditis.....	21.6	72.9	1 to 3.38
Pneumonia (all forms).....	123.6	342.1	1 to 2.66
Premature birth.....	40.2	101.2	1 to 2.52
Puerperal eclampsia.....	1.9	5.1	1 to 2.68
Puerperal septicemia.....	2.7	13.1	1 to 4.85
Pulmonary hemorrhage.....	2.7	10.1	1 to 3.74
Rheumatism, acute and chronic.....	5	6.1	1 to 1.22
Rickets.....	0	9.1	1 to
Senility.....	31.3	32.4	1 to 1.04
Syphilis (hereditary).....	3.1	19.2	1 to 6.19
Suicides.....	29.3	11.1	1 to 0.38
Tuberculosis of lungs.....	114.3	406.9	1 to 3.56
Typhoid fever.....	7.7	22.3	1 to 2.90
Valvular heart disease.....	192.3	235.8	1 to 1.23
Whooping cough.....	3.5	10.1	1 to 2.89

Mortality in relation to age.—The average age at death of all decedents was 44 years 6 months 16 days. The average age of white decedents was 50 years 1 day; that of white males was 48 years 3 months 16 days, and of white females 52 years 19 days. The average age of the colored decedents was 36 years 3 months 8 days. The colored males averaged 35 years 3 months 22 days, and the colored females 37 years 3 months 5 days.

The following table shows the average age of decedents during 1914 and 1915 compared:

Average age of decedents, 1914 and 1915 compared.

Race.	Male.			Female.			All.		
	Years.	Months.	Days.	Years.	Months.	Days.	Years.	Months.	Days.
White decedents:									
1914.....	49	9	28	50	7	16	50	2	5
1915.....	48	3	16	52	0	19	50	0	1
Colored decedents:									
1914.....	34	10	21	36	3	26	35	7	2
1915.....	35	3	22	37	3	5	36	3	8
All decedents:									
1914.....	44	1	8	44	5	23	44	3	10
1915.....	43	4	9	45	10	17	44	6	16

Daily mortality.—The average daily mortality by months arranged with reference to race and certain age periods of decedents may be seen in the following table: .

Average daily mortality, by months, arranged with reference to race and age of decedents during the calendar year 1915.

Month.	Under 1 year.			1 to 4 years.			5 years and over.			All ages.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
January.....	0.61	0.81	1.42	0.39	0.48	0.87	9.81	6.06	15.87	10.81	7.35	18.16
February.....	1.21	.89	2.10	.39	.29	.68	11.50	6.64	18.14	13.11	7.82	20.93
March.....	.90	1.55	2.45	.42	.55	.97	12.61	6.81	19.42	13.94	8.90	22.84
April.....	1.07	.90	1.97	.27	.40	.67	10.80	6.70	17.50	12.13	7.97	20.10
May.....	1.10	.84	1.94	.29	.42	.71	7.74	5.03	12.77	9.13	6.29	15.42
June.....	.67	.86	1.53	.13	.37	.50	7.67	5.63	13.30	8.46	6.87	15.33
July.....	1.09	.97	2.06	.42	.16	.58	8.16	4.97	13.13	9.68	6.09	15.77
August.....	1.36	1.19	2.55	.16	.26	.42	6.77	5.48	12.25	8.29	6.93	15.22
September.....	1.57	1.50	3.07	.23	.30	.53	8.00	4.80	12.80	9.80	6.60	16.40
October.....	1.48	1.00	2.48	.16	.55	.71	8.29	4.90	13.19	9.94	6.45	16.39
November.....	.93	1.17	2.10	.33	.23	.56	9.97	5.10	15.07	11.23	6.53	17.76
December.....	1.09	.81	1.90	.35	.36	.71	11.03	6.13	17.16	12.48	7.29	19.77
Average.....	1.09	1.04	2.13	.30	.36	.66	9.35	5.68	15.03	10.73	7.08	17.81

September was the most fatal month in its daily average for infants less than 1 year of age. For all other ages March shows the highest daily average.

Mortality of years 1914 and 1915 compared.—The following table shows the relative mortality in 1914 and 1915, arranged with reference to age and race:

Comparative mortality, 1914 and 1915, by race and age.

Age.	White.			Colored.			Total.		
	1914	1915	Increase (+), decrease (-).	1914	1915	Increase (+), decrease (-).	1914	1915	Increase (+), decrease (-).
Under 1 year.....	343	398	+ 55	372	380	+ 8	715	778	+ 63
1 year.....	43	56	+ 13	57	80	+ 23	100	136	+ 36
2 years.....	25	24	- 1	26	28	+ 2	51	52	+ 1
3 years.....	11	14	+ 3	22	14	- 8	33	28	- 5
4 years.....	16	14	- 2	15	11	- 4	31	25	- 6
5 to 9 years.....	49	53	+ 4	39	39	0	88	92	+ 4
10 to 19 years.....	83	101	+ 18	124	122	- 2	207	223	+ 16
20 to 29 years.....	208	234	+ 26	285	301	+ 16	493	535	+ 42
30 to 39 years.....	281	328	+ 48	343	368	+ 25	623	696	+ 73
40 to 49 years.....	369	407	+ 47	322	382	+ 60	682	789	+ 107
50 to 59 years.....	444	494	+ 50	305	343	+ 38	749	837	+ 88
60 to 69 years.....	625	641	+ 16	262	280	+ 18	887	921	+ 34
70 to 79 years.....	706	775	+ 69	142	169	+ 27	848	944	+ 96
80 to 89 years.....	279	329	+ 50	43	52	+ 9	313	381	+ 68
90 years and over.....	30	50	+ 20	16	18	+ 2	46	68	+ 22
Total.....	3,493	3,918	+ 425	2,373	2,587	+ 214	5,866	6,505	+ 639

Mortality with respect to location.—To ascertain the healthfulness or unhealthfulness of any section comparison must be made between the death rates of each race separately. In stating the death rate of each section or statistical district, deaths occurring in hospitals and other institutions after brief residence there, are eliminated unless the last previous local residence of the deceased was in that same district or is unknown, and are charged to the respective districts in which the deceased resided prior to entering the institution. Attention is called to Table 7-A of Appendix I for information as to population, deaths, and death rates for the various statistical districts referred to. The following statement shows the population, deaths, and death rates of white and colored, arranged with respect to street and alley dwellers according to age periods:

Age.	White.					
	Alleys.			Streets.		
	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.
4 years and under.....	144	2	13.89	18,583	504	27.12
5 to 9 years.....	127	0	.....	19,701	53	2.69
10 to 19 years.....	120	0	.....	39,344	101	2.57
20 to 29 years.....	132	0	.....	49,161	224	4.75
30 to 39 years.....	167	1	5.99	49,725	327	6.58
40 to 49 years.....	111	1	9.01	38,657	406	10.50
50 to 59 years.....	46	1	21.74	22,956	493	21.48
60 to 69 years.....	31	1	32.26	12,463	640	51.35
70 years and over.....	10	0	.....	7,462	1,154	154.65
Total.....	888	6	6.76	258,052	3,912	15.16

Age.	Colored.					
	Alleys.			Streets.		
	Popula- tion.	Deaths.	Death rates.	Popula- tion.	Deaths.	Death rates.
4 years and under.....	739	61	\$2.54	6,642	452	68.05
5 to 9 years.....	779	2	2.57	7,046	37	5.25
10 to 19 years.....	1,358	14	10.31	14,848	108	7.27
20 to 29 years.....	1,597	36	22.54	18,814	265	14.09
30 to 39 years.....	1,702	41	24.09	18,561	327	17.62
40 to 49 years.....	1,343	37	27.55	12,662	345	27.25
50 to 59 years.....	633	26	41.07	6,888	317	46.02
60 to 69 years.....	308	21	68.18	3,025	259	85.61
70 years and over.....	179	17	94.97	1,685	222	131.75
Total.....	8,638	255	29.52	90,171	2,332	25.86

Age.	Total.					
	Alleys.			Streets.		
	Popula- tion.	Deaths.	Death rates.	Popula- tion.	Deaths.	Death rates.
4 years and under.....	883	63	71.35	25,225	956	37.90
5 to 9 years.....	906	2	2.21	26,747	90	3.36
10 to 19 years.....	1,478	14	9.47	54,192	209	3.86
20 to 29 years.....	1,729	36	20.82	67,975	499	7.34
30 to 39 years.....	1,869	42	22.47	68,286	654	9.58
40 to 49 years.....	1,454	38	26.13	51,319	751	14.63
50 to 59 years.....	679	27	39.76	29,844	810	27.14
60 to 69 years.....	339	22	64.90	15,488	899	58.04
70 years and over.....	189	17	89.95	9,147	1,376	150.43
Total.....	9,526	261	27.40	348,223	6,244	17.93

Infant mortality.—Death rates among infants less than 1 year of age are shown below. These death rates are not absolutely accurate, as from 3 to 5 per cent of births escape registration; but with respect to accuracy they compare favorably with those of any other American city.

Comparative infant mortality, 1914 and 1915.

(Rate per 1,000 registered births.)

	White.		Colored.		Total.	
	1914	1915	1914	1915	1914	1915
Reported births.....	4,925	4,872	2,205	2,195	7,130	7,067
Deaths under 1 year.....	343	398	372	380	715	778
Death rates under 1 year, based on births.....	69.6	81.7	168.7	173.1	100.3	110.1

The percentage of infants who died during each month of life based upon the total number of deaths under 1 year of age, arranged according to race, is shown below:

Deaths by age periods under 1 year.

Age.	White.		Colored.		Total.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1 day to 1 month.....	202	50.75	152	40.00	354	45.50
1 to 2 months.....	31	7.79	33	8.68	64	8.23
2 to 3 months.....	28	7.04	24	6.32	52	6.68
3 to 4 months.....	24	6.03	32	8.42	56	7.20
4 to 5 months.....	15	3.77	22	5.79	37	4.76
5 to 6 months.....	10	2.51	26	6.84	36	4.63
6 to 7 months.....	19	4.77	16	4.21	35	4.50
7 to 8 months.....	21	5.28	18	4.74	39	5.01
8 to 9 months.....	9	2.26	14	3.68	23	2.96
9 to 10 months.....	18	4.52	16	4.21	34	4.36
10 to 11 months.....	12	3.02	9	4.74	30	3.86
11 to 12 months.....	9	2.26	9	2.37	18	2.31
Total.....	398	100.00	380	100.00	778	100.00

A consistent and gratifying decline in infant mortality is shown by the following statement of the number of deaths of infants under 1 year of age and the number of registered births during the past 15 years, with corresponding death rates:

Births and deaths under 1 year.

Year.	White.			Colored.			Total.		
	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.	Births.	Deaths under 1 year.	Death rate per 1,000 births.
1901-1905 ¹	3,429	515	155	1,980	650	333	5,409	1,165	221
1906-1910 ¹	4,632	522	113	2,268	592	262	6,900	1,114	162
1911.....	4,772	490	103	2,290	467	207	7,032	957	136
1912.....	4,734	427	90	2,273	472	208	7,007	899	128
1913.....	4,667	400	86	2,236	428	191	6,903	828	120
1914.....	4,925	343	70	2,205	372	169	7,130	715	100
1915.....	4,872	398	82	2,195	380	173	7,067	778	110
1911-1915 ¹	4,794	411	86	2,234	421	189	7,028	835	119

¹ Average for 5-year period.

The most prominent diseases during 1915 as causes of infant mortality, the number of deaths due to each, and the death rates per 1,000 reported births, are enumerated below:

Deaths from certain diseases peculiar to infants under 1 year of age and death rates per 1,000 reported births.

Diseases.	White.		Colored.		Total.	
	Deaths.	Death rate per 1,000 births.	Deaths.	Death rate per 1,000 births.	Deaths.	Death rate per 1,000 births.
Accidents and negligence.....	5	1.03	2	0.91	7	0.99
Convulsions.....	4	.82	5	2.28	9	1.27
Congenital debility.....	7	1.44	4	1.82	11	1.56
Bronchitis.....	2	.41	22	10.02	24	3.40
Syphilis.....	7	1.44	18	8.20	25	3.54
Congenital malformations.....	26	5.34	9	4.10	35	4.95
Marasmus.....	47	9.65	21	9.57	68	9.62
Pneumonia.....	36	7.39	65	29.61	101	14.29
Diarrhea.....	66	13.54	81	36.90	147	20.80
Prematurity.....	104	21.35	100	45.56	204	28.87

Mortality according to nativity.—The following table shows the relative mortality for 1914 and 1915 with respect to the nativity of decedents, arranged as to sex and race:

Nativity of decedents, comparative mortality 1914 and 1915.

Nativity.	1914	1915	De-crease (-), in-crease (+).
District of Columbia:			
White males.....	622	683	+ 61
White females.....	509	539	+ 30
Colored males.....	507	521	+ 14
Colored females.....	465	512	+ 47
Total.....	2,103	2,255	+152
Other parts of United States:			
White males.....	961	1,039	+ 78
White females.....	780	919	+139
Colored males.....	682	756	+ 74
Colored females.....	680	734	+ 54
Total.....	3,103	3,448	+345
Foreign born:			
White males.....	335	349	+ 14
White females.....	240	304	+ 64
Colored males.....	5	3	- 2
Colored females.....	.....	2	+ 2
Total.....	580	658	+ 78
Unknown:			
White males.....	37	66	+ 29
White females.....	9	19	+ 10
Colored males.....	20	31	+ 11
Colored females.....	14	28	+ 14
Total.....	80	144	+ 64
Grand total.....	5,866	6,505	+639

Mortality with reference to causes of death.—The following statement shows the number of deaths during 1914 and 1915 separately classified according to certain disease groups and arranged with reference to race and sex. For detailed information concerning the various diseases comprised under these groups, the number of deaths from each disease, and other data, reference should be made to the general statistical table, No. 1, and its subdivisions, in Appendix I.

Mortality as to disease groups, 1914 and 1915 compared.

Disease groups.	White.				Colore d.				Total.	
	1914		1915		1914		1915		1914	1915
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
General diseases.....	426	386	470	461	350	335	366	362	1,497	1,650
Nervous system.....	250	180	255	197	102	108	107	126	640	685
Circulatory system.....	383	271	401	333	155	178	167	193	987	1,094
Respiratory system.....	175	166	223	211	169	144	226	181	654	841
Digestive system.....	151	117	168	137	120	99	115	115	487	535
Genito-urinary system.....	248	168	264	206	150	143	159	133	709	762
Puerperal state.....		29		19		26		20	55	39
Skin and cellular tissue.....	8	8	8	4	7	4	4	7	27	23
Organs of locomotion.....	2	5	5	2	2	3	4	2	12	13
Malformations.....	16	10	16	11	5	4	7	3	35	37
Infancy.....	99	82	128	70	78	60	75	68	319	341
Old age.....	36	54	29	52	18	15	7	25	123	113
Violence.....	161	61	167	73	54	35	74	38	311	352
Ill-defined diseases.....		1	3	5	4	5		3	10	11
Total.....	1,955	1,538	2,137	1,781	1,214	1,159	1,311	1,276	5,866	6,505

The preceding table shows that deaths during 1915 exceeded deaths during 1914 in 11 out of 14 groups, as follows:

General diseases.....	162
Diseases of the nervous system.....	45
Diseases of the circulatory system.....	107
Diseases of the respiratory system.....	187
Diseases of the digestive system.....	48
Diseases of the genito-urinary system.....	53
Diseases of the organs of locomotion.....	1
Congenital malformations.....	2
Diseases peculiar to early infancy.....	22
Violence.....	41
So-called ill-defined diseases.....	1

On the other hand, deaths due to puerperal conditions were 16 less than in 1914; deaths due to diseases of the skin and cellular tissues were 4 less; and deaths due to disease incident to advanced age were 10 less.

Disease of the heart.—Organic heart disease caused more deaths during 1915 than any other one disease. This was the case for the previous two years also. These have passed ahead of pulmonary tuberculosis, which for so many years was the leading cause of deaths in the District. Seven hundred and thirty-one deaths were charged to organic heart disease, of which 498 were white and 233 colored.

Pulmonary tuberculosis comes next to organic heart disease in importance, with 698 deaths. The white deaths were 296 and the colored 402. If to deaths due to pulmonary tuberculosis we add those due to other forms of this disease, the total reaches 775.

Pneumonia.—There was an increase of 203 in the number of deaths due to all forms of pneumonia during 1915 as compared with the previous year. Six hundred and seventy-one died from this disease, 333 white and 338 colored, as against 468 (242 white and 226 colored) for 1914.

Chronic nephritis (Bright's disease) is another important factor in the death rate of the District. There were 613 deaths recorded during 1915, 25 more than in 1914. The whites numbered 392 and the colored 221.

Diarrhea and enteritis.—The total number of deaths from these causes during 1915 was 225, an increase of 26 over 1914. One hundred and sixty-seven decedents were infants less than 2 years of age. The following tabular statement of deaths and death rates shows a very material improvement in bowel trouble among infants during the past 15 years:

Deaths from diarrheal diseases under 2 years and death rates per 100,000 for the years mentioned.

Year.	Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.
1901-1905 ¹	126	197	323	57.9	210.3	103.8
1906-1910 ¹	128	177	305	53.5	182.9	90.7
1911.....	124	133	257	48.4	135.5	72.6
1912.....	77	110	187	30.3	111.5	53.0
1913.....	85	123	208	33.3	125.4	58.9
1914.....	48	94	142	18.7	96.3	40.1
1915.....	71	96	167	27.4	97.1	46.7
1911-1915 ¹	81	111	192	31.6	113.1	54.3

¹ Average for 5-year period.

Scarlet fever caused 8 deaths during the year, 7 white and 1 colored.

Diphtheria.—Twenty-nine deaths were recorded against this disease, 22 white and 7 colored, as against 31 (white 24, colored 7) during the year 1914.

Typhoid fever.—There were 42 deaths from typhoid fever during 1915 (20 white and 22 colored). During 1914 there were 45 deaths.

Railroad accidents.—Deaths due to steam or street railroad injuries numbered 17, a decrease from 1914 of 7. Five white people were killed by the various steam roads in the District, while 10 whites and 2 colored met death from accidents connected with street railroads.

Automobile accidents.—Sixteen deaths were due to automobiles, 2 less than in the year 1914.

Other accidents.—One hundred and ninety-four deaths due to accidents and negligence, in addition to those mentioned above, occurred during 1915, as against 173 for the previous year.

Homicides.—There were 38 homicides during 1915. During 1914 there were 29.

Suicides.—Eighty-seven persons committed suicide during 1915, of whom 76 were white and 11 colored. During 1914 there were 67—white 59 and colored 8. Twenty-seven (25 white and 2 colored) used illuminating gas, 23 (20 white and 3 colored) used firearms, 7 (6 white and 1 colored) drowned themselves; 5, all whites, committed suicide by hanging; 1 white and 1 colored by the use of cutting instruments; 2 whites by jumping from high places and 1 white by an electrical shock. Of those who committed suicide by means of poisons, 8, all white, used bichloride of mercury; 8 (5 whites and 3 colored) used carbolic acid; 1 white died from ammonia; 1 from arsenic, and 1 from strychnine, and 1 colored used an insecticide. As to the ages of those who died by suicide, 23 were between 20 and 29, 19 between 30 and 39, 18 between 40 and 49, 13 between 50 and 59, 11 between 60 and 69, and 3 between 70 and 79. Suicide among married people numbered 48, unmarried 24, widowed 3, and those whose marital condition was unknown 12. Persons who committed suicide and who

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were born in the District numbered 14. Forty-five were born in other parts of the United States. Six were of foreign birth. Those whose nativity was not ascertained were 22.

Births.—The number of live births registered during the calendar year 1915 was 7,067; of white children 4,872 and of colored 2,195. Physicians reported 6,463 and midwives 605. Seventy-four pairs of twins were born and two sets of triplets. Of the twins, 47 pairs were white and 27 colored. The honors with respect to triplets were equally divided between the two races.

Stillbirths recorded during 1915 numbered 440—155 whites, 235 colored, and 50 of unknown races.

Comparative statistics January to June, 1915 and 1916, inclusive.

The preceding statistical tables and the vital statistics generally set forth in this report cover the calendar year 1915 with comparative data for the previous years, but the following summary of morbidity and mortality during the first six months of 1915 and of 1916 is appended in order to bring the report as nearly up to date as possible:

Reportable cases of illness and deaths in the District of Columbia during the first half of the calendar year 1915, with corresponding figures for the first half of the calendar year 1916.

Causes of death.	Cases of reportable diseases.		Deaths.				Total.	
	1915	1916	White.		Colored.			
			1915	1916	1915	1916	1915	1916
External causes:								
Accidents and negligence.....			75	75	29	33	104	108
Homicides.....			6	2	12	13	18	15
Suicides.....			37	44	6	7	43	51
Natural causes.....			1,917	1,983	1,316	1,231	3,233	3,214
Total.....			2,035	2,104	1,363	1,284	3,398	3,388
Special diseases:								
Acute anterior poliomyelitis.....	1	2						
Bronchitis.....			34	22	26	24	60	46
Chickenpox.....	694	861						
Diarrheal diseases:								
Under 2 years.....			11	11	18	12	28	23
2 years and over.....			15	15	6	8	22	23
Diphtheria.....	141	356	6	14	1	6	7	20
Measles.....	1,645	2,156	4	2	1	2	5	4
Meningitis, epidemic cerebro spinal.....	3	5	4	2		2	4	4
Pellagra.....	11	11	1	5	8	1	9	6
Pneumonia.....			211	217	216	184	429	401
Pulmonary congestion.....			2	2	2	2	4	4
Pulmonary tuberculosis.....	610	570	154	153	209	187	361	340
Rheumatism, acute.....			3	6	2	3	5	9
Scarlet fever.....	604	309	7	5	1	1	8	6
Smallpox.....	8	1						
Typhoid fever.....	71	82	6	11	6	6	12	17
Whooping cough.....	322	785	6	5	6	12	12	17
All other diseases.....			1,453	1,513	814	781	2,268	2,294
External causes, as above.....			118	121	47	53	164	171
Total.....	4,110	5,138	2,035	2,104	1,363	1,284	3,398	3,388

Very respectfully,

A. C. PATTERSON, M. D.,
Chief, Bureau of Vital Statistics.

To W. C. WOODWARD, M. D.,
Health Officer, District of Columbia.

APPENDIX I.

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death.

Cause of death.		Calendar year 1915.												Total deaths in preceding year.	Variation in deaths in present as compared with preceding year.		
		Total deaths.			General death rates.			Deaths by race and sex.			Total by sex.						
													Per-centage of each cause to total				
													White.				Colored.
White.	Col-ored.	Total.	White.	Col-ored.	Total.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	In-crease.	De-crease.				
1. General diseases.																	
1	1	20	22	42	0.077	0.223	0.117	0.046	12	8	13	9	25	17	45	3	
2	2																
3	3																
4	4	1	1	2	.004	.010	.006	.031		1		1	2	3		1	
5	5																
6	6	4	1	5	.015	.010	.014	.077	3	1	1		4	1		4	
7	7	4	1	8	.027	.010	.022	.123	4	3		1	4	4	1	7	
8	8	9	10	19	.083	.101	.053	.292	5	4	6	4	11	8	18		
9	9	22	7	29	.085	.071	.081	.446	14	8	3		17	12	31	2	
10	10	70	44	114	.270	.445	.319	1.752	27	43	20	23	47	67	65	49	
11	11																
12	12																
13	13																
14	14																
15	15	5	2	7	.019	.020	.020	.108	5			2	5	2	5	2	
16	16																
17	17																
18	18	9	4	13	.035	.041	.036	.200	6	3	2	2	8	5	7	6	
19	19																
20	20	10	5	15	.039	.051	.042	.231	6	4	3	2	9	6	15		
21	21																
22	22																
23	23	1															
24	24	3	1	4	.001	.010	.003	.015	2	1	1		3	1	15	11	
25	25																
26	26	5	11	16	.019	.111	.045	.246	2	3	1	10	3	13	14	2	
27	27																
28	28	296	402	698	1.143	4.069	1.951	10.730	170	126	228	174	398	300	611	87	

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Calendar year 1915.											Total deaths in preceding year.	Variation in deaths in present as compared with preceding year.		
	Total deaths.			General death rates.			Per-centage of each cause mor-tality.	Deaths by race and sex.						Total by sex.	
	White.	Col-ored.	Total.	White.	Col-ored.	Total.		White.		Colored.				Male.	Fe-male.
								Male.	Fe-male.	Male.	Fe-male.				
1. General diseases—Continued.															
29 Acute miliary tuberculosis.....	2	12	14	0.008	0.121	0.039	0.215	1	1	6	6	7	7		
30 Tuberculous meningitis.....	13	18	31	.050	.182	.087	.477	10	3	10	8	11	39		
31 Tuberculosis, abdominal.....	6	9	15	.023	.091	.042	.231	2	6	5	4	5	10		
32 Pott's disease.....	4	1	5	.015	.010	.014	.077	2	2	1	1	3	6		
33 White swelling.....	3	4	7	.012	.010	.011	.061	3	1	4	4	2	4		
34 Tuberculosis of other organs.....	1	5	6	.004	.031	.007	.138	1	4	2	4	4	5		
35 Tuberculosis, disseminated.....	1	1	2	.004	.010	.005	.031	1	1	1	1	2	3		
36 Rhegms.....	9	9	18	.027	.027	.027	.138	6	1	5	4	5	4		
37 Syphilis acquired.....	7	16	23	.027	.102	.064	.354	5	3	8	8	14	10		
38 Gonorrhea.....	8	19	27	.031	.192	.075	.415	5	3	13	6	18	17		
39 Congenital.....	1	1	2	.008	.008	.008	.041	1	1	1	1	1	1		
40 Cancer of—															
1. Buccal cavity:															
1. Cheek.....	2	2	4	.008	.008	.008	.041	1	1	1	1	1	1		
2. Jaw.....	2	2	4	.008	.008	.008	.041	1	1	1	1	1	1		
3. Throat.....	9	3	12	.036	.010	.008	.046	1	1	2	2	4	4		
2. Stomach:															
1. Liver.....	45	7	52	.174	.071	.115	.799	25	20	3	4	28	2		
2. Oesophagus.....	3	2	5	.012	.020	.014	.077	3	1	1	1	4	3		
3. Pharynx.....	1	1	2	.004	.003	.003	.015	1	1	1	1	2	2		
4. Stomach.....	48	24	72	.185	.243	.201	1.107	28	20	6	18	34	61		
41 Cancer of—															
1. Intestines:															
1. Small intestine.....	36	6	42	.136	.061	.117	.646	18	18	1	5	19	42		
2. Mesentery.....	1	1	2	.003	.010	.003	.015	1	1	1	1	2	2		
42 Cancer of—															
1. Ovary.....	5	5	10	.019	.014	.014	.077	5	5	5	5	5	5		
2. Uterus.....	46	24	70	.177	.243	.196	1.076	46	46	24	24	70	22		
3. Vulva.....	1	1	2	.004	.003	.003	.015	1	1	1	1	1	1		
43 Cancer of breast.....	31	10	41	.120	.101	.115	.636	31	31	10	10	41	32		
44 Cancer of—															
1. Face:															
1. Face.....	10	1	11	.038	.010	.031	.169	6	4	1	1	7	9		
2. Skin.....	1	1	2	.004	.003	.003	.015	1	1	1	1	2	2		

Cancer of—											
45	1. Abdomen.....	1	1	.004	.003	.015	1	1	1	4	3
	2. Antrum.....	1	1	.010	.003	.015	1	1	1	2	1
	3. Bladder.....	12	14	.047	.039	.015	3	9	11	13	1
	4. Breast.....	2	2	.008	.003	.031	1	1	1	2	2
	5. Cervix.....	1	1	.010	.003	.015	1	1	1	1	1
	6. Foot.....	3	2	.012	.020	.014	3	2	5	1	4
	7. Generalize.....	1	1	.004	.003	.016	1	1	2	1	1
	8. Hip.....	1	7	.027	.020	.108	2	5	5	6	1
	9. Kidney.....	6	7	.023	.010	.107	2	5	2	4	3
	10. Larynx.....	2	2	.008	.006	.031	2	2	2	4	2
	11. Leg.....	1	1	.010	.003	.016	1	1	1	1	1
	12. Lung.....	2	2	.008	.005	.031	1	1	1	2	2
	13. Mediastinum.....	1	1	.004	.003	.015	1	1	1	1	1
	14. Myxosarcoma.....	7	7	.027	.020	.108	5	2	2	6	1
	15. Neck.....	5	2	.019	.019	.107	1	2	3	6	1
	16. Pancreas.....	3	3	.012	.008	.046	1	2	4	2	1
	17. Pelvis.....	1	1	.004	.003	.015	1	1	2	1	1
	18. Perineum.....	5	5	.019	.014	.077	5	2	1	11	6
	19. Prostate.....	2	2	.008	.006	.031	2	2	2	2	1
	20. Scrotum.....	1	1	.010	.003	.016	1	1	1	1	1
	21. Testicle.....	2	2	.008	.003	.016	1	1	1	2	1
	22. Thigh.....	1	1	.004	.003	.015	1	1	1	1	3
	23. Throat.....	1	1	.004	.003	.015	1	1	1	2	1
	Tumor, nonmalignant.....	5	5	.031	.030	.123	2	3	5	20	12
	Rheumatism, acute.....	8	8	.031	.030	.123	4	2	5	13	2
	Chronic.....	11	11	.031	.031	.169	4	2	6	13	2
46	Scurvy.....	61	72	.236	.201	1.107	28	33	40	64	8
47	Diabetes.....	4	2	.015	.017	.092	1	4	6	6	1
48	Exophthalmic goiter.....	1	1	.004	.003	.015	1	1	2	2	1
49	Leukemia.....	7	8	.027	.022	.123	7	6	1	7	1
50	Leukemia.....	14	9	.054	.064	.354	6	8	14	16	7
51	Other general diseases—										
52	1. Acidosis.....	3	3	.012	.008	.046	1	3	3	3	3
53	2. Purpura hemorrhagica.....	1	1	.010	.006	.031	1	1	1	4	2
54	Alcoholism.....	18	4	.070	.061	.338	13	5	17	21	1
55	Lead poisoning, chronic.....	1	1	.041	.061	.338	1	1	5	1	1
56	Other chronic occupational poisonings.....	1	1	.004	.003	.016	1	1	1	1	1
57	Other chronic poisoning.....	1	1	.004	.003	.016	1	1	1	1	1
58	Total general diseases.....	931	728	3.596	4.637	25.505	470	461	823	1,497	162
59	II. Diseases of nervous system and organs of special sense.....										
60	Abscess of brain.....	5	5	.019	.028	.154	4	1	4	7	3
61	Meningitis, epidemic cerebrospinal.....	5	1	.019	.017	.092	4	0	5	5	1
62	Simple.....	15	6	.058	.051	.323	6	3	12	23	2
	Locomotor ataxia.....	13	21	.060	.036	.200	11	2	11	14	1

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Calendar year 1915.										Total deaths in preceding year.	Variation in deaths in present year compared with preceding year.
	Total deaths.			General death rates.			Per-centage of each cause to total mortality.	Deaths by race and sex.					Total by sex.
	White.	Col-ored.	Total.	White.	Col-ored.	Total.		White.		Colored.		
							Male.	Fe-male.	Male.	Fe-male.		
11. Diseases of nervous system and organs of special sense—Continued.												
Other diseases of spinal cord:												
1. Atrophy, progressive muscular.	3	2	5		0.012	0.020	0.014	0.077		3	2	5
2. Abscess of spinal cord.	1	1	2			.010	.003	.015		1	1	2
3. Bulbar paralysis.	1	1	2		.004		.003	.015		1	1	2
4. Myelitis, simple.	1	2	3		.004	.021	.008	.046		1	1	2
5. Paralysis agitans.	3	2	5		.012	.020	.008	.031		2	2	4
6. Paralysis spinal.	1	1	2			.010	.003	.015		1	1	2
7. Paraplegia, spastic.	1	1	2			.021	.003	.031		1	1	2
8. Poliomyelitis, acute anterior.	1	2	3		.004	.021	.003	.031		1	1	2
9. Poliomyelitis, chronic.	5	1	6		.019		.014	.077		4	1	5
10. Sclerosis, spinal.	1	1	2			.004	.003	.015		1	1	2
11. Tumor, spinal cord.	306	151	457		1.181	1.528	1.277	7.025		151	251	419
Cerebral hemorrhage.	2	3	5		.008	.020	.011	.061		1	1	2
Paralysis, unqualified.	3	2	5		.027	.020	.013	.093		2	3	5
Paralysis of tongue.	2	3	5		.016	.030	.028	.154		2	3	5
Paralysis of larynx.	38	29	67		.127	.083	.187	1.030		35	59	87
Mental alienation.	1	3	4		.004	.080	.011	.061		1	2	3
Epilepsy.	6	6	12		.023	.091	.042	.231		6	4	10
Convulsions (nonpuerperal), 5 years and over.	7	8	15		.027	.081	.042	.230		2	3	5
1. Convulsions, under 5 years.	71	10	81		.024	.031	.025	.144		2	3	5
2. Chorea.	4	1	5		.015	.010	.014	.077		2	2	4
3. Neuritis.	1	1	2							1	1	2
Other diseases of nervous system:												
1. Cerebral tumor.	8	2	10		.031	.021	.028	.154		5	3	8
2. Chorea, Huntington's.	1	1	2		.004		.003	.016		1	1	2
3. Organic brain disease.	14	3	17		.054	.030	.047	.261		10	6	16
4. Nervous shock (Lustmanna disease).	1	1	2							1	1	2
5. Traumatic epilepsy.	1	1	2		.004		.003	.016		1	1	2

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.		Calendar year 1915.										Total deaths during preceding year.	Variation in deaths in present year as compared with preceding year.	
		Total deaths.		General death rates.			Percentage of each cause to total mortality.		Deaths by race and sex.		Total by sex.			
									Colored.					
									White.	Total.				White.	Colored.	Male.	Female.	Male.	Female.
99	V. Diseases of digestive system.													
	Diseases of mouth and adnexa:													
	1. Parodontitis.	2		2	0.008		0.006	0.001	1	1	1	1	2	2
	2. Pyorrhea alveolaris.	1	2	3	0.020		0.005	0.001	1	2	2	2	2	1
100	Diseases of pharynx:													
	1. Abscess, retropharyngeal.	1	2	3	0.001	0.021	0.008	0.016	1	1	2	1	2	1
	2. Tonsillitis.	1	1	2	0.004	0.010	0.006	0.031	1	1	1	1	1	1
	3. Stricture of esophagus.	10	6	16	0.038	0.061	0.015	0.216	8	2	1	5	9	7
101	Diseases of stomach:													
	1. Gastritis.	13	26	39	0.050	0.263	0.109	0.600	9	4	11	15	20	19
	2. Indigestion.	10	11	21	0.038	0.112	0.039	0.323	2	8	4	7	6	15
	3. Pyloric stenosis.	1	1	2	0.004	0.015	0.003	0.015	1	1	1	1	2	2
102	Diarrhea, etc., under 2 years.													
	1. Diarrhea, etc., under 2 years.	71	96	167	0.274	0.971	0.467	2.827	40	31	56	40	96	71
	2. Diarrhea, etc., 2 years and over.	38	20	58	0.147	0.262	0.162	0.862	19	19	7	13	26	32
	3. Ankylostomiasis.													
103	Intestinal parasites:													
	1. Appendicitis.	37	18	55	0.143	0.182	0.154	0.845	19	18	9	9	28	27
	2. Hernia.	1	4	5	0.004	0.041	0.017	0.107	1	3	1	4	4	12
	3. Intestinal obstruction.	30	17	47	0.116	0.172	0.131	0.723	14	16	9	8	23	24
104	Other diseases of intestines:													
	1. Abscess of rectum.	4	4	8	0.015	0.011	0.011	0.061	3	1	1	3	1	4
	2. Autointoxication, intestinal.	1	1	2	0.004	0.010	0.003	0.016	1	1	1	1	1	1
	3. Fistula in ano.	1	1	2	0.004	0.010	0.005	0.031	1	1	1	1	1	3
105	Hemorrhage, intestinal.													
	1. Hemorrhage, intestinal.	1	1	2	0.004	0.010	0.003	0.015	1	1	1	1	1	2
	2. Protrusion recti.	1	1	2	0.004	0.010	0.003	0.015	1	1	1	1	1	2
	3. Atrophy of liver, acute yellow.	1	1	2	0.004	0.010	0.003	0.016	1	1	1	1	1	1
106	Hydatid tumor of liver.													
	1. Hydatid tumor of liver.	1	1	2	0.004	0.010	0.003	0.016	1	1	1	1	1	1
	2. Hydatid tumor of liver.	1	1	2	0.004	0.010	0.003	0.016	1	1	1	1	1	1
	3. Hydatid tumor of liver.	1	1	2	0.004	0.010	0.003	0.016	1	1	1	1	1	1

113	Hepatic cirrhosis.....	43	8	51	.166	.081	.142	.784	31	12	6	115	283	252	487	48	.....
114	Cholelithiasis.....	10	1	11	.038	.010	.031	.169	2	8	.....	.....	2	9	7	4	.....
115	Other diseases of liver.....	10	4	14	.038	.011	.039	.215	4	6	3	1	7	7	14	.....	.....
	1. Cholecystitis.....	7	4	11	.027	.040	.030	.169	5	2	1	3	6	5	7	4	.....
	2. Hepatitis.....	1	.....	1	.001	.....	.003	.016	1	.....	.....	.....	1	.....	1	.....	.....
116	3. Gaugrene of gall bladder.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
117	Diseases of spleen.....	6	6	12	.023	.061	.034	.184	3	3	1	5	4	8	19	7	.....
118	Peritonitis.....	2	1	3	.008	.010	.008	.046	1	1	.....	1	1	2	.....	3	.....
	Pancreatitis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total, digestive system.....	305	230	535	1.177	2.328	1.496	8.224	108	137	115	115	283	252	487	48	.....
VI. Nonvenereal diseases of genito-urinary system.																	
119	Nephritis, acute.....	33	44	77	.127	.445	.215	1.184	17	16	22	22	39	38	51	26	.....
120	Nephritis, chronic.....	392	221	613	1.514	2.237	1.713	9.423	224	168	129	92	353	260	588	25	.....
121	Chyluria.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
122	Other diseases of kidneys and adnexa:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Pyelonephritis.....	15	3	18	.058	.030	.050	.277	4	11	1	2	5	13	8	10	.....
	2. Urinary suppression.....	1	.....	1	.001	.....	.003	.015	.....	1	.....	.....	.....	1	4	4	.....
123	Urinary calculi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	Diseases of bladder:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Cystitis.....	7	.....	7	.027	.....	.020	.108	7	.....	.....	.....	7	.....	10	1	.....
	2. Papilloma.....	1	.....	1	.001	.....	.003	.015	1	.....	.....	.....	1	.....	4	.....	.....
125	Diseases of urethra:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Fistula of perineum.....	1	.....	1	.004	.....	.003	.015	1	.....	.....	.....	1	.....	.....	1	.....
	2. Stricture.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
126	Prostatic hypertrophy.....	10	3	13	.038	.030	.030	.200	10	3	1	.....	13	.....	2	1	.....
127	Serous plegmon.....	3	.....	3	.032	.008	.032	.016	.....	3	.....	.....	3	.....	15	2	.....
128	Uterine hemorrhage (nonpuerpal).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	.....
129	Other diseases of uterus:	2	5	7	.008	.061	.020	.107	.....	2	.....	5	.....	7	10	.....	.....
130	1. Menopause.....	1	.....	1	.004	.010	.006	.031	.....	1	.....	1	.....	2	.....	.....	.....
	2. Pelvic abscess.....	4	1	5	.015	.010	.014	.077	.....	4	.....	.....	.....	5	3	2	.....
131	Ovarian cysts.....	2	1	3	.008	.010	.008	.046	.....	2	.....	1	.....	3	1	2	.....
132	Sarcoma.....	1	9	10	.001	.091	.028	.154	.....	1	.....	9	.....	10	4	6	.....
133	Diseases of the breast (nonpuerpal).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Total, nonvenereal diseases of genito-urinary system.....	470	292	762	1.815	2.956	2.130	11.714	264	206	159	133	423	339	709	53	.....
VII. The puerperal state.																	
134	Abortion, self induced.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
135	Puerperal hemorrhage, etc.....	3	.....	3	.012	.....	.008	.046	.....	3	.....	.....	.....	3	5	2	.....
	1. Placenta, premature separation of.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....
	2. Precipitate labor.....	2	.....	2	.008	.....	.006	.031	.....	2	.....	.....	.....	2	.....	2	.....
	3. Post partum hemorrhage.....	.....	1	1	.....	.010	.003	.015	.....	.....	.....	1	.....	1	.....	1	.....
		.....	1	1	.....	.010	.003	.015	.....	.....	.....	1	.....	1	.....	1	.....

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Calendar year 1915.										Total deaths preceding year.	Variation in deaths as compared with preceding year.		
	Total deaths.			General death rates.			Deaths by race and sex.							
	White.		Total.	White.	Colored.	Total.	White.		Colored.				Total by sex.	
	Col-ored.	White.					Male.	Fe-male.	Male.	Fe-male.			Male.	Fe-male.
<i>III. Diseases of nervous system and organs of special sense—Continued.</i>														
Other diseases of spinal cord:														
1. Atrophy, progressive muscular.	3	2	5	0.012	0.020	0.014	0.077	3	.....	2	.....	3	.....
2. Abscess of spinal cord.	1	1	2	.....	.010	.003	.015	.....	1	.....	1	.....	
3. Bulbar paralysis.	1	2	3	.004	.004	.008	.046	1	.....	1	.....	1	.....
4. Myelitis, simple.	1	2	3	.001	.021	.008	.046	1	.....	1	.....	1	.....
5. Myelitis, multiple.	3	3	6	.012	.....	.008	.046	1	.....	2	.....	3	.....
6. Paralysis agitans.	2	2	4	.....	.020	.006	.031	.....	2	.....	2	.....	
7. Paralysis spinal.	1	1	2	.....	.010	.003	.015	.....	1	.....	1	.....	
8. Paraplegia, spastic.	2	2	4	.....	.021	.005	.031	.....	1	.....	1	.....	
9. Poliomyelitis, acute anterior.	1	1	2	.004	.....	.003	.015	.....	1	.....	1	.....	
10. Poliomyelitis, chronic.	5	5	10	.019	.019	.014	.077	4	.....	1	.....	5	.....
11. Sclerosis spinal.	1	1	2	.004	.....	.003	.015	.....	1	.....	1	.....	
12. Tumors spinal cord.	1	1	2	.004	.....	.003	.015	.....	1	.....	1	.....	
Cerebral hemorrhage.	306	457	763	1.181	1.528	1.277	7.025	151	135	55	96	231	419	
Softening.	2	2	4	.008	.020	.011	.015	1	.....	1	.....	2	.....
Paralysis unqualified.	7	3	10	.027	.030	.028	.151	2	.....	2	.....	4	.....
Paresis of insula.	38	29	67	.146	.203	.187	.630	35	3	24	5	59	8	
Mental alienation.	1	3	4	.004	.030	.011	.063	1	.....	1	.....	2	.....
Epilepsy.	6	9	15	.023	.091	.042	.231	6	.....	5	.....	11	.....
Convulsions (nonfebrile), 5 years and over.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Convulsions, under 5 years.	7	8	15	.027	.081	.042	.230	2	5	5	3	7	8	
Chorea.	1	1	2	.004	.....	.003	.015	1	.....	1	.....	1	.....
Neuritis.	4	1	5	.015	.010	.014	.077	2	2	1	3	2	4	
Other diseases of nervous system:														
1. Cerebral tumor.	8	2	10	.031	.021	.028	.154	5	3	2	7	3	5	
2. Chorea, Huntington's.	1	1	2	.004	.....	.003	.015	.....	1	.....	1	.....	.....
3. Organic brain disease.	14	3	17	.054	.030	.047	.201	10	4	1	11	6	4	
4. Nervous shock (Lusitania disaster).	1	1	2	.004	.....	.003	.015	1	.....	1	.....	1	.....
5. Traumatic epilepsy.	1	1	2	.004	.....	.003	.016	1	.....	1	.....	1	.....

Diseases of the eye and adnexa. Otitis media.	2			2	.008		.006	.031	1	1		1	2	
Total, nervous system and or- gans of special sense.....	452	233	685	1,745	2,358	1,915	10,530	255	197	107	362	323	640	45
III. Diseases of circulatory system.														
Percarditis.....	2	4	6	.008	.041	.017	.092	1	1	3	4	2	10	4
Endocard myo carditis (under 10 years)	54	68	122	.208	.688	.341	1,875	41	13	30	71	51	100	22
Organic heart disease.....	498	233	731	1,923	2,358	2,043	11,237	252	246	108	360	371	657	74
Aortic peritonsillitis.....	25	5	30	.096	.051	.084	.461	19	6	4	20	10	23	7
1. Aneurism.....	1	9	18	.035	.091	.050	.277	7	2	5	4	6	13	5
2. Arteriosclerosis.....	122	32	154	.471	.324	.431	2,367	70	52	17	15	87	143	11
Embolism and thrombosis.....	22	7	29	.085	.071	.081	.446	11	11	2	5	13	32	3
Phlebitis.....	2	1	3	.008	.010	.008	.046	.	.	.	.	3	3	5
Diseases of lymphatic system.....														
Epididymis.....	734	340	1,094	2,834	3,644	3,058	16,816	401	333	167	508	526	987	107
Total, circulatory system.....														
IV. Diseases of respiratory system.														
Diseases of nasal fossae.....														
Laryngitis.....	5		5	.019	.084	.014	.077	3	2	.	3	2	4	2
Gonorrhea.....	3		3	.012	.046	.008	.046	.	.	.	1	2	4	2
Bronchitis, acute.....	13	14	27	.050	.142	.075	.415	3	12	10	13	14	26	1
Capillary.....	2	10	21	.008	.192	.059	.323	1	1	7	18	13	20	1
Bronchitis, chronic.....	37	2	39	.143	.020	.109	.600	15	22	1	16	23	47	8
Pneumonia, lobar, catarrhal, etc.: 1. Under 1 year.....	19	48	67	.073	.486	.187	1,030	10	9	27	37	30	45	22
2. 1 year and over.....	88	80	168	.340	.810	.470	2,582	47	41	39	86	82	141	27
Pneumonia, lobular, etc.: 1. Under 1 year.....	17	17	34	.066	.172	.095	.523	12	5	12	5	10	31	3
2. 1 year and over.....	209	193	402	.807	1,953	1,124	6,180	107	102	113	80	220	251	151
Pleurisy.....	12	7	19	.046	.071	.053	.292	10	2	3	4	6	24	5
Pulmonary congestion.....	5	3	8	.019	.030	.022	.123	3	3	3	13	6	24	4
Oedema.....	6	1	7	.023	.010	.020	.108	3	3	1	3	4	9	2
Pulmonary gangrene.....														3
Asthma.....	4	10	14	.015	.101	.039	.215	.	4	3	7	3	11	2
Empysema, pulmonary.....	1	1	2	.001	.021	.008	.046	.	1	2	2	1	2	1
Other diseases of respiratory system: 1. Tuberculosis.....	1		1	.001	.	.002	.015	1	2	.	1	.	.	1
2. Pulmonary tuberculosis.....	5	1	6	.019	.010	.017	.092	3	4	1	4	2	5	1
3. Pulmonary hemorrhage.....	7	10	17	.027	.101	.047	.261	4	3	5	9	8	12	5
Total, respiratory system.....	434	407	841	1,675	4,119	2,350	12,928	223	211	226	419	392	654	187

113	Hepatic cirrhosis.....	43	8	51	.166	.081	.142	.784	31	12	6	2	37	14	41	10	.....
114	Cholelithiasis.....	10	1	11	.038	.010	.031	.169	2	8	.....	1	2	9	7	4	.....
115	Other diseases of liver:	10	4	14	.038	.011	.039	.215	4	6	3	1	7	7	14	.....	.....
	1. Cholecystitis.....	7	4	11	.027	.010	.030	.169	5	2	1	3	6	5	7	4	.....
	2. Hematitis.....	1	.....	1	.001	.....	.003	.016	1	.....	.....	.....	1	.....	1	.....
	3. Gangrene of gall bladder.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
116	Diseases of spleen.....	6	6	12	.023	.001	.034	.184	3	3	1	5	4	8	19	7	.....
117	Peritonitis.....	2	1	3	.008	.010	.008	.046	1	1	.....	1	1	2	2	3	.....
118	Pancreatitis.....	305	230	535	1.177	2.328	1.496	8.224	168	137	115	115	283	252	487	48	.....
Total, digestive system.....																	
VI. Nonvenereal diseases of genito-urinary system.																	
119	Nephritis, acute.....	33	44	77	.127	.445	.215	1.184	17	16	22	22	39	38	51	26	.....
120	Nephritis, chronic.....	392	221	613	1.514	2.237	1.713	9.423	224	168	129	92	353	260	588	25	.....
121	Cystitis.....	15	3	18	.038	.030	.050	.277	4	11	1	2	5	13	8	10	.....
122	Other diseases of kidneys and adnexa:	1	.....	1	.001	.....	.003	.015	.....	1	.....	.....	.....	1	4	.....	.....
	1. Pyelonephritis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	2. Urinary suppression.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
123	Urinary calculi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
124	Diseases of bladder:	7	.....	7	.027	.....	.020	.108	7	7	.....	.....	7	.....	10	.....	.....
	1. Cystitis.....	1	.....	1	.001	.....	.003	.015	1	.....	.....	.....	1	.....	.....	.....	.....
	2. Hemorrhage.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
125	Diseases of urethra:	1	.....	1	.001	.....	.003	.015	1	.....	.....	.....	1	.....	.....	.....	.....
	1. Fistula of perineum.....	.....	.....	.....	.....	.010	.003	.016	.....	.....	.....	.....	1	.....	.....	.....	.....
	2. Urethral stricture.....	.....	.....	.....	.....	.030	.003	.006	.....	.....	.....	.....	1	.....	.....	.....	.....
126	Prostatic hypertrophy.....	10	3	13	.038	.030	.036	.200	10	.....	3	13	13	.....	15	.....	.....
127	Serolal phlegmon.....	.....	.....	.....	.....	.032	.008	.016	.....	.....	3	.....	3	.....	.....	.....	.....
128	Uterine hemorrhage (nonpuerperal).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
129	Uterine fibroids.....	2	5	7	.008	.031	.020	.107	.....	2	.....	5	.....	7	10	.....	.....
130	Other diseases of uterus:	1	1	2	.004	.010	.006	.031	.....	1	.....	1	.....	2	.....	.....	.....
	1. Menopause.....	.....	.....	.....	.....	.015	.010	.014	.....	4	.....	1	.....	5	.....	.....	.....
	2. Pelvic abscess.....	.....	.....	.....	.....	.008	.010	.008	.....	2	.....	1	.....	3	.....	.....	.....
131	Ovarian cysts.....	2	1	3	.008	.010	.008	.046	.....	2	.....	1	.....	3	.....	.....	.....
132	Salpingitis.....	1	9	10	.001	.091	.028	.154	.....	1	.....	9	.....	10	4	.....	.....
133	Diseases of the breast (nonpuerperal).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, nonvenereal diseases of genito-urinary system.....																	
		470	292	762	1.815	2.956	2.130	11.714	264	206	159	133	423	339	709	53	.....
VII. The puerperal state.																	
134	Abortion, self induced.....	3	.....	3	.012	.....	.008	.046	.....	3	.....	.....	.....	3	5	.....	.....
135	Puerperal hemorrhage, etc.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Placenta, premature separation of.....	2	.....	2	.008	.010	.006	.031	.....	2	.....	1	.....	2	.....	.....	.....
	2. Precipitate labor.....	1	1	1	.....	.010	.003	.015	.....	.....	.....	.....	.....	1	.....	.....	.....
	3. Post partum hemorrhage.....	.....	.....	.....	.....	.010	.003	.015	.....	.....	.....	.....	.....	1	.....	.....	.....

IX. Diseases of bones and organs of locomotion.													
146	Diseases of bones:												
	1	1	.004	.003	.015	1	1	1	1	2	1	1	1
	2	1	.008	.010	.046	1	1	1	1	2	2	1	5
147	2	4	.007	.041	.017	1	1	1	1	2	4	2	1
148	2	2	.008	.005	.031	1	1	1	1	1	1	1	1
149	Abscess of rectus muscle.												
	1	1	.010	.003	.016	1	1	1	1	1	1	1	1
	7	6	.027	.061	.200	5	2	4	2	9	4	12	1
Total bones and organs of locomotion.													
X. Malformations.													
150	Congenital malformations:												
	3	1	.012	.010	.061	1	2	2	1	1	3	2	2
	3	1	.008	.030	.014	2	2	2	1	4	1	1	4
	2	5	.004	.003	.015	1	1	1	1	3	2	1	1
	5	5	.019	.014	.077	3	2	2	2	3	2	1	1
	16	5	.062	.051	.323	9	7	1	1	13	8	18	3
	1	1	.010	.003	.016	1	1	1	1	1	4	4	3
	27	10	.105	.101	.569	16	11	7	3	23	14	35	2
Total malformations.													
XI. Early infancy.													
151	Congenital debility, icterus, scelerema:												
	7	3	.027	.030	.154	6	1	1	2	7	3	6	4
	7	4	.027	.041	.169	5	2	1	3	6	5	9	2
	2	3	.008	.031	.013	2	2	2	1	2	3	3	2
	47	21	.088	.212	.190	28	19	12	9	40	28	71	3
	104	100	.402	1.012	3.136	65	39	51	49	116	88	183	21
152	Other causes peculiar to early infancy:												
	5	6	.019	.061	.031	3	2	4	2	7	4	9	2
	6	1	.023	.010	.020	4	2	2	4	5	2	11	4
	1	1	.004	.003	.016	1	1	1	1	9	1	15	1
	10	10	.038	.028	.153	9	3	1	2	5	5	1	5
	4	2	.015	.020	.017	3	1	2	1	1	1	5	1
	1	1	.004	.003	.015	1	1	1	1	2	2	1	1
	2	2	.008	.006	.031	2	2	2	2	1	1	1	1
	8	8	.005	.030	.031	1	1	1	1	1	1	1	1
	1	1	.010	.003	.015	1	1	1	1	1	1	1	1
	9	9	.016	.010	.002	1	1	1	1	1	1	1	1
	10	10	.016	.010	.002	1	1	1	1	1	1	1	1
	1	1	.010	.003	.015	1	1	1	1	1	1	1	1
153	Total early infancy.												
	198	143	.765	1.447	.953	128	70	75	68	203	138	319	22
XII. Old age.													
154	Senility.												
	81	32	.313	.324	.316	29	52	7	25	36	77	123	10

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death—Continued.

Cause of death.	Calendar year 1915.										Total deaths in preceding year.	Variation in deaths in preceding year.		
	Total deaths.			General death rates.			Percentage of each cause to total mortality.		Deaths by race and sex.					
	Total.			Total.			White.		Colored.				Total by sex.	
	White.	Colored.	Total.	White.	Colored.	Total.	Male.	Female.	Male.	Female.	Male.	Female.		
XIII. External causes.														
Suicide by poison:														
1. Ammonia.....	1		1	0.031		0.003	1			1		1		
2. Arsenic.....	1		1	.001		.003								
3. Bichloride of mercury.....	8		8	.023		.022	5	3	5	3	2	2		
4. Carbolic acid.....	5	3	8	.019	0.030	.022	3	2	1	4	9	1		
5. Cyanide.....	1		1	.001	.010	.003								
6. Strychnia.....	1		1	.001		.003	1		1		1	1		
Suicide:														
1. Illuminating gas.....	25	2	27	.096	.020	.075	16	9	2	16	11	11		
2. Hanging.....	5		5	.019		.014	5			5		4		
3. Drowning.....	6	1	7	.023	.003	.020	5	1	1	6	1	6		
4. Fire arms.....	20	3	23	.074	.064	.064	19	1	3	22	1	24		
5. Cutting instruments.....	1	1	2	.004	.010	.006	1	1	1	1	1	2		
6. Jumping from high places.....	2		2	.008		.005	1	1		1	1	2		
Crushing.....														
1. Electric shock.....	1		1	.004		.003	1			1		1		
2. Pyroman poisoning.....	3		3	.012		.008	2	1		2	1	2		
Other accidental poisoning:														
1. Alcohol.....	1		1	.004	.010	.003			1	1		1		
2. Carbolic acid.....	1		1	.004		.003		1		1		1		
3. Morphine.....	1		1	.004		.003			1	1		1		
4. Other.....	1		1	.004	.020	.006			1	1		1		
1. Burns, conflagration.....	2		2	.007		.006								
2. Burns and scalds.....	27	20	47	.101	.202	.131	11	16	7	18	29	37		
Absorption of deleterious gases (accidental):														
1. Caving in of sand bank.....	1		1	.004		.003	1			1		1		
2. Other narosis.....	1		1	.004	.010	.003								
3. Illuminating gas.....	19	2	21	.073	.020	.030	11	5	1	15	6	18		
4. Overlaid child.....	1		1	.004		.003				1		1		
5. Strangulation.....	1		1	.004		.002	1		1	1		1		
6. Suffocation by smoke.....	1	1	2	.004	.010	.003				1	1	1		

1669	Drowning (accidental).....	14	12	26	.034	.121	.073	.400	14	.....	11	1	25	1	27	1
1670	Fires (accidental).....	6	3	9	.023	.040	.025	.138	4	.....	3	3	1	1	1	4
1671	Cutting instruments (accidental).....	1	1	1	.003	.010	.003	.015	.....	.....	1	.....	1	.....	.....	1
1672	Falls (accidental).....	38	10	48	.146	.101	.134	.738	20	18	6	4	26	46	2	2
1673	Kills and quadrants: traumaism in.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1674	Machinism: traumaism by:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1675	1. Elevator accident.....	1	.....	1	.004	.....	.003	.016	1	.....	.....	.....	1	6	.....	5
1676	2. Machinery accident.....	1	.....	1	.004	.....	.003	.015	.....	.....	.....	.....	1	2	.....	1
1677	Traumatism by vehicles, railways, etc. (accidental):	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1678	1. Automobile.....	7	9	16	.027	.091	.045	.246	7	.....	5	4	12	4	18	2
1679	2. Bicycle.....	2	.....	2	.008	.....	.005	.031	2	.....	.....	.....	2	.....	.....	.....
1680	3. Jumped from window.....	1	1	1	.....	.010	.003	.016	.....	.....	1	.....	1	.....	1	.....
1681	4. Rupture of liver.....	1	1	1	.....	.010	.003	.015	.....	.....	1	.....	1	.....	1	.....
1682	5. Steam railroad accidents.....	5	.....	5	.019	.....	.014	.077	5	.....	.....	.....	5	.....	.....	.....
1683	6. Street railroad accidents.....	10	2	12	.038	.021	.033	.184	10	2	2	12	12	7	2	5
1684	7. Vehicles, injured by.....	5	1	6	.019	.010	.017	.092	4	1	1	1	5	1	5	.....
1685	8. Killed by horse.....	1	2	3	.004	.021	.008	.016	1	.....	2	2	3	1	2	.....
1686	Starvation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1687	Frostbite (gangrene).....	2	2	2	.008	.020	.006	.031	.....	.....	2	2	.....	1	1	.....
1688	Insolation.....	2	.....	2	.....	.....	.005	.030	1	1	.....	.....	1	1	3	.....
1689	Lightning.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1690	Electric shock.....	2	2	4	.008	.021	.011	.061	2	.....	2	4	4	.....	.....	.....
1691	Homicide:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1692	1. Firearms.....	6	7	13	.023	.071	.036	.200	4	2	4	3	8	5	12	1
1693	Cutting instruments.....	.....	.....	.....	.....	.....	.061	.017	.....	.....	.....	.....	.....	.....	.....	.....
1694	Other forms—	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1695	1. Abortion, criminal.....	2	.....	2	.008	.....	.006	.031	.....	2	.....	.....	.....	2	.....	.....
1696	2. Hydrocyanic acid.....	1	1	1	.004	.....	.003	.016	1	.....	.....	.....	.....	1	.....	.....
1697	3. Strangulation.....	2	2	2	.008	.020	.011	.061	.....	2	.....	2	.....	.....	.....	.....
1698	4. Struck by automobile.....	1	1	1	.004	.010	.003	.030	.....	1	.....	1	.....	1	.....	.....
1699	5. Struck by brick.....	.....	.....	.....	.....	.010	.003	.013	.....	.....	.....	.....	.....	.....	.....	.....
1700	6. Struck by metal rod.....	1	.....	1	.004	.....	.003	.016	1	.....	.....	.....	.....	.....	.....	.....
1701	7. Run over by wagon.....	1	1	1	.....	.010	.003	.013	.....	.....	.....	.....	.....	.....	.....	.....
1702	8. Assault; fracture of skull.....	7	7	7	.071	.019	.108	.108	.....	.....	6	1	6	1	7	.....
1703	Fracture of skull (unknown cause).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1704	Other external causes:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1705	1. Falling body, struck by.....	.....	.....	.....	.....	.030	.008	.016	.....	.....	3	.....	3	.....	1	2
1706	2. Foreign body in larynx.....	1	1	1	.001	.....	.003	.016	1	.....	.....	.....	1	.....	.....	.....
1707	3. Hemorrhage, accidental.....	1	1	1	.004	.....	.003	.015	.....	1	.....	.....	.....	1	.....	.....
1708	4. Rupture of urinary bladder (accidental).....	1	.....	1	.001	.....	.003	.016	1	.....	.....	.....	1	.....	.....	.....
1709	Total external causes.....	240	112	352	.927	1.132	.984	5.411	167	73	74	38	240	111	311	41
XIV. Ill-defined diseases.																
1710	Asciates.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1711	Sudden death.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2

XIV. Ill-defined diseases.

Ascites.....
Sudden death..

Sudden death.

TABLE 1a.—Showing deaths (stillbirths excluded) and death rates in the District of Columbia during the calendar year 1915, arranged with reference to race and sex, and classified with reference to causes of death.—Continued.

Cause of death.	Calendar year 1915.											Total deaths preceding year.	In-crease.	De-crease.		
	Total deaths.			General death rates.				Deaths by race and sex.							Total by sex.	
	White.	Col-ored.	Total.	White.	Col-ored.	Total.	Per-centage of each cause of death.	White.		Colored.					Male.	Fe-male.
								Male.	Fe-male.	Male.	Fe-male.					
XIV. Ill-defined diseases—Continued.																
Ill-defined or not specified:																
1. Congestive chill.....	1	1	1	0.004		0.003	0.015	1				1		1	2	
2. Cholera.....	3	1	3		0.010		0.016						1	3	3	
3. General debility.....	4	2	6	.015	.020	.008	.046	1	2		2	1	5	3		
4. Marasmus (1 to 69 years).....						.017	.092	1								
Total ill-defined diseases.....	8	3	11	.031	.030	.031	.109	3	5		3	3	8	10	1	
RECAPITULATION.																
I. General diseases.....	931	728	1,659	3.596	7.369	4.637	25.505	470	461	366	302	836	823	1,497	162	
II. Diseases of nervous system and organs of special sense.....	452	233	685	1.745	2.358	1.915	10.530	255	197	107	126	362	323	640	45	
III. Diseases of circulatory system.....	734	360	1,094	2.831	3.644	3.058	16.816	401	333	197	133	568	525	987	107	
IV. Diseases of respiratory system.....	365	280	645	1.177	2.328	1.496	8.221	168	137	115	115	283	252	487	187	
V. Diseases of digestive system.....	470	292	762	1.845	2.936	2.130	11.714	264	206	159	133	423	339	709	53	
VI. Diseases of genitourinary system.....	19	20	39	.074	.202	.109	.600	19	19		20	20	39	55	16	
VII. The puerperal state.....	12	11	23	.047	.111	.064	.354	8	4	4	7	12	11	27	4	
VIII. Diseases of skin and cellular tissue.....	7	6	13	.027	.061	.036	.200	5	2	2	2	9	4	12		
IX. Diseases of organs of locomotion.....	168	149	317	0.605	1.105	0.855	4.432	128	110	75	68	203	183	319	22	
X. Malformations.....	81	32	113	.313	.324	.316	1.737	29	52	7	25	36	77	123	10	
XI. Old age.....	240	112	352	.927	1.132	.984	5.411	167	73	74	38	241	111	311	41	
XII. External causes.....	8	3	11	.031	.030	.031	1.109	3	5		3	3	8	10	1	
XIII. Ill-defined diseases.....	3,918	2,587	6,505	15.131	26.182	18.183	96.999	1,781	1,311	1,276	3,448	3,057	5,866	639		
Total from all causes.....							100.000	2,137								

[illegible]

III. Diseases of nervous system and organs of special sense.

[illegible]

TABLE 1b.—Showing deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

Classification No.	Cause of death.	Total deaths year 1915.	January.		February.		March.		April.		May.		June.													
			White.		Colored.		White.		Colored.		White.		Colored.													
			M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.											
II. Diseases of nervous system and organs of special sense—Continued.																										
64	Cerebral hemorrhage.....	457	16	13	3	12	13	14	1	5	18	5	11	19	21	7	7	11	6	4	5	7	11	9	4	
65	Softening.....	4						1																		
66	Paralysis, unqualified.....	10																								
67	Paralysis of insane.....	67	5	2	3	3	3	3	3	3	2	1	1	2	1	1	1	1	1	1	1	4	1	2	1	
68	Mental alienation.....	15																								
69	Epilepsy.....	15																								
70	Epilepsy (nonmortal), 5 years and over.....	15																								
71	Epilepsy (nonmortal), under 5 years.....	15																								
72	Chorea.....	1																								
73	Neuritis.....	1																								
74	Other diseases of nervous system:	5																								
	1. Cerebral tumor.....	10																								
	2. Chorea, Huntington's.....	1																								
	3. Organic brain disease.....	17																								
	4. Nervous shock (Lustania disaster).....	1																								
75	Diseases of the eye and adnexa.....	1																								
76	Otitis media.....	2																								
Total nervous system and organs of special sense.....			685	14	20	8	7	19	11	10	12	25	16	10	14	22	12	9	13	24	15	8	9	19	14	7
III. Diseases of circulatory system.																										
77	Pericarditis.....	6																								
78	Endo and myocarditis (under 60 years).....	122	2	2	2	5	5	2	3	3	5	1	1	1	7	1	2	2	4	3	1	4	2	1	5	
79	Organic heart disease.....	731	9	10	11	10	9	15	8	3	21	16	10	5	20	9	5	19	27	23	9	8	33	29	7	
80	Angina pectoris.....	30																								
81	Aneurism.....	18																								
82	Arteriosclerosis.....	154	4	3	2	5	6	2	2	8	6	1	1	1	1	1	1	1	1	1	1	1	12	9	1	
83	Phlebitis.....	29	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	1	
84	Diseases of lymphatic system.....	3																								
85	Epididymitis.....	1																								
Total circulatory system.....			1,094	15	17	13	15	22	22	13	9	36	24	11	9	43	15	9	23	38	33	13	13	50	40	13

[illegible]

XIV. Ill-defined diseases.

Asiatics.	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	69
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Total all causes.

Total, all causes, by race.

Percentage, by race, to total mortality and by months.

Grand aggregate, and by months.

Death rate per 1,000 inhabitants, by months.

TABLE 1b.—Showing deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

Classi- fica- tion No.	Cause of death.	Total deaths year 1915.	July.		August.		September.		October.		November.		December.	
			White.		Colored.		White.		Colored.		White.		Colored.	
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
I. General diseases—Continued.														
49	Scurvy.....	72	2		2	2	1	2	3	1	1	2	2	1
50	Diabetes.....	6												
51	Exophthalmic goiter.....	1												
52	Addison's disease.....	3												
53	Leukemia.....	1				2								
54	Leukemia.....	23	1	1	2	1		1	2	1	1	1	2	1
55	Other general diseases:													
1.	Acidosis.....	3												
2.	Purpura hemorrhagica.....	2												
56	Alcoholism.....	22				1	2			1		2	2	1
57	Lead poisoning, chronic.....	57												
58	Other chronic occupational poisonings.....													
59	Other chronic poisoning.....	1												
	Total, general diseases.....	1,659	82	35	28	29	23	31	33	34	26	30	35	28
II. Diseases of nervous system and organs of special sense.														
60	Abscess of brain.....	10	1	2		1		1						
61	Meningitis, epidemic cerebrospinal.....	6												
62	Simple.....	21			1	2		2	2	2		1	1	1
63	Locomotor ataxia.....	13	3											
	Other diseases of spinal cord:													
1.	Atrophy, progressive muscular.....	5				1								
2.	Abscess of spinal cord.....	1												
3.	Bulbar paralysis.....	1												
4.	Myelitis, simple.....	3												
5.	Paralysis agitans.....	3				1								
6.	Paralysis, spinal.....	2												
7.	Paraplegia, spastic.....	1												
8.	Polio-myelitis, acute anterior.....	7												
9.	Polio-myelitis, chronic.....	2												
10.	Sclerosis, spinal.....	5												
11.	Tumor, spinal cord.....	1						2					1	

64	Cerebral hemorrhage.....	457	5	16	5	5	12	9	4	9	10	13	6	12	15	11	4	11	16	12	2	5	9	11	5	10	
65	Swelling.....	16																									
66	Paralysis.....	10																									
67	Paralysis of insine.....	67	1																								
68	Mental alienation.....	4																									
69	Epilepsy.....	15	1																								
70	Convulsions (nonpuerperal), 5 years and over.....																										
71	Convulsions under 5 years.....	15	1	1																							
72	Chorea.....	71																									
73	Neuritis.....	5																									
74	Other diseases of nervous system: 1. Cerebral tumor..... 2. Chorea, Huntington's..... 3. Organic brain disease..... 4. Nervous shock (Lusitania disaster)..... 5. Traumatic epilepsy.....	10 1 17 1 1																									
75	Diseases of the eye and adnexa.....	2																									
76	Otitis media.....																										
Total nervous system and organs of special sense.....			685	23	16	5	14	22	22	9	8	28	22	8	15	24	25	12	10	20	13	8	6	15	11	13	6
III. Diseases of the circulatory system.																											
77	Pericarditis.....	6	1																								
78	Endo and myocarditis (under 60 years).....	122	2	3	4	7																					
79	Organic heart disease.....	731	22	24	11	12	31	24	13	13	18	30	11	9	22	22	8	11	20	26	8	11	14	18	7	1	
80	Angina pectoris.....	30	4																								
81	Aneurism.....	18																									
82	Arteriosclerosis.....	154	9	4	1	1	8	7	2	1	6	1	1	1	5	4	2	2	5	1							
83	Embolism and thrombosis.....	29	1	2	1	1																					
84	Phlebitis.....	3																									
85	Diseases of lymphatic system.....	1																									
86	Epistaxis.....																										
Total circulatory system.....			1,094	39	33	17	23	39	33	16	16	32	34	20	17	33	30	14	16	31	31	15	18	23	21	13	17
IV. Diseases of respiratory system.																											
86	Diseases of nasal fossae.....	5	1																								
87	Laryngitis.....	3																									
88	Goiter.....	27	1	3																							
89	Bronchitis, acute.....	21																									
90	Bronchitis, chronic.....	39	3	2																							
91	Pneumonia, broncho, catarrhal, etc.: 1. Under 1 year..... 2. 1 year and over.....	67 168	4 4	2 5	7 6	6 6	6 6	4 9	5 5	7 7	4 5	1 1	3 3	1 1	2 2	3 3	2 2	1 1	3 3	1 1	2 2	1 1	3 3	4 4	1 1	3 1	
92	Pneumonia, lobar, etc.: 1. Under 1 year..... 2. 1 year and over.....	34 402	2 8	1 10	7 7	14 14	19 19	11 27	24 24	5 16	13 13	14 14	11 11	9 9	2 2	9 9	5 5	7 7	2 2	9 9	5 5	7 7	2 2	4 4			

TABLE 1b.—Showing deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged with reference to months, and classified with reference to race, sex, and causes of death—Continued.

Classi- fication No.	Cause of death.	Total deaths year 1915.	July.		August.		September.		October.		November.		December.	
			White.		Colored.	White.		Colored.	White.		Colored.	White.		Colored.
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
IV. Diseases of respiratory system—Continued.														
93	Pleurisy.....	19	2	1				2		1	1	1		
94	Pulmonary congestion.....	8		1		1						1		
95	Pulmonary edema.....	7						1						
96	Pulmonary gangrene.....	11												
97	Asthma.....	3							1	1	1		1	1
98	Emphysema.....	1				1								
	Other diseases of respiratory system:	1												
	1. Atelectasis, 3 months and over.....	6						1		1			1	
	2. Pulmonary abscess.....	6				2		2	1		1			
	3. Pulmonary hemorrhage.....	17		1										
	Total respiratory system.....	84	7	8	5	6	9	8	3	9	13	14	11	6
V. Diseases of digestive system.														
99	Diseases of mouth and adnexa:	2												
	1. Parotiditis.....	2												1
	2. Riga's disease.....	1										1		
	3. Stomatitis.....	1											1	
	4. Tonsillitis.....	1												
100	Diseases of pharynx:	3												
	1. Abscess, retropharyngeal.....	2											1	1
	2. Tonsillitis.....	1				1								
101	Stricture of esophagus.....	1												
102	Gastric ulcer.....	16	1	1										
103	Other diseases of stomach:	39	1	2	1	1		2	2	1	1	1	1	1
	1. Gastritis.....	21								1	1	2	1	3
	2. Indigestion.....	1												
	3. Pyloric stenosis.....	1												
104	Diarrhea, etc., under 2 years.....	107	6	4	11	5	11	9	12	11	8	12	7	3
105	Diarrhea, etc., 2 years and over.....	58	3	2			2	5	1	4	2	4	1	3
106	Ankylostomiasis.....													
107	Intestinal parasites.....													
108	Appendicitis.....	55	3	6		2	2	1	1	1	2	1	2	3
										2	3	2	1	1
														2

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[illegible][illegible]

RECAPITULATION.

RECAPITULATION.																																			
I. General diseases.....																																			
II. Diseases of nervous system and organs of special sense.....																																			
III. Diseases of circulatory system.....																																			
IV. Diseases of respiratory system.....																																			
V. Diseases of digestive system.....																																			
VI. Diseases of genito-urinary system.....																																			
VII. The puerperal state.....																																			
VIII. Diseases of skin and cellular tissue.....																																			
IX. Diseases of organs of locomotion.....																																			
X. Malformations.....																																			
XI. Early infancy.....																																			
XII. Old age.....																																			
XIII. External causes.....																																			
XIV. Ill-defined causes.....																																			
Total, all causes.....																																			

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58	Other chronic occupational poisonings.....	1</
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TABLE 1d.—Showing deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

Classification No.	Cause of death.	Marital relations.										Nativity.															
		Married.				Single.				Widow or widowed.		Unknown.		District of Columbia.		Other parts of the United States.		Foreign.		Unknown.							
		W.		C.		W.		C.		W.		C.		W.		C.		W.		C.		W.		C.			
		Under 15 years over.		15 years and over.		Under 15 years over.		15 years and over.		Under 15 years and over.		M.		F.		M.		F.		M.		F.		M.		F.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
V. Diseases of digestive system—Continued.																											
111	Atrophy of liver, acute yellow.	1																									
112	Hydatid tumor of liver																										
113	Hepatic cirrhosis.	19	4	3	1	3	8	7	1																		
114	Cholelithiasis.	1	3				1	5																			
115	Other diseases of liver:																										
	1. Cholecystitis.	1	4	2	1		2	1	2																		
	2. Hepatitis.	1	1	1	1	1	1	1	2																		
	3. Gangrene of gall bladder	1																									
116	Diseases of spleen.																										
117	Peritonitis.	1	2	2	1	2	1	2																			
118	Pancreatitis.																										
	Total, digestive system.	64	47	29	30	55	41	30	10	67	48	12	10	19	39	7	27	68	60	72	66	42	53	19	11	3	1
VI. Nonvenereal disease of genito-urinary system.																											
119	Nephritis, acute.	9	4	15	8	2	4	1	3	4	1	1	3	5	5	2	10										
120	Nephritis, chronic	118	55	78	35	1	4	53	32																		
121	Chyluria.																										

122	Other diseases of kidneys and adnexa:	2	4	1	1	1	3	1	1	3	1	2	1	2	7	1	1	2																		
	1. Pyelonephritis.....	1										1																								
123	2. Urinary suppression.....											1																								
124	Urinary calculi.....																																			
	Diseases of bladder:	4		2								1			4			2																		
	1. Cystitis.....	1													1																					
125	2. Papilloma.....																																			
	Diseases of urethra:	1										1																								
	1. Fistula of perinaeum.....																																			
126	2. Urethral stricture.....	5		2			3					2	6	2	2																					
127	Prostatic hypertrophy.....											1																								
128	Scrotal phlegmon.....			2		1																														
	Uterine hemorrhage (nonpuerperal):	2																																		
129	1. Uterine fibroids.....		3									1	2	4																						
130	Other diseases of uterus:																																			
	1. Menopause.....		1									1																								
	2. Pelvic abscess.....	2			2			1				1	4																							
131	Ovarian cysts.....			1								1	1																							
132	Salpingitis.....	1										1	1																							
133	Diseases of the breast (nonpuerperal):			4				3					1		1		8																			
	Total, nonvenereal diseases of genito-urinary system.....	140	69	98	52	3	9	59	41	5	22	17	59	87	33	60	3	1	2	38	41	25	33	170	131	132	93	50	32			6	2	2		
	VII. The puerperal state.																																			
134	Abortion, self-induced.....																																			
135	Puerperal hemorrhage, etc.: 1. Placenta, premature separation of.....	2						1																												
	2. Precipitate labor.....																																			
	3. Post partum hemorrhage.....																																			
136	Rupture of uterus during labor.....																																			
137	Puerperal sepsis.....	7		11																																
138	Puerperal eclampsia.....			2				1																												
139	Puerperal embolism.....																																			
140	Puerperal insanity.....																																			
141	Puerperal disease of breast.....																																			
	Total, the puerperal state.....		15		15					4			5					8		5									14		3					
	VIII. Diseases of skin and cellular tissue.																																			
142	Gangrene: 1. Of extremities.....																																			
	2. Senile.....																																			
143	Carbuncle.....																																			

[illegible]

166	Burns, conflagration.	1	1	2	1	9	9	2	1	1	5	2	1	1	1	5	1	1	1
167	Burns and scalds.	1	1	2	1	9	9	2	1	1	5	2	1	1	1	5	5	4	1
168	Absorption deleterious gases (accidental):																		
	1. Caving in of sand bank.						1									1			
	2. Ether narcosis.															2	2		
	3. Illuminating gas.	7		1	1		6	1		1	1	4				7	2	1	4
	4. Overlaid child.															1			
	5. Suffocation.						1									1			
	6. Suffocation by smoke.															1			
169	Drowning (accidental).						7	4								10	6	1	3
170	Firearms (accidental).						1	1	2							1	1	1	1
171	Cutting instruments (accidental).	6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
172	Falls (accidental).	7	3	2	3	1	5	3			1	1	4	1	3	1	2	3	6
173	Mines and quarries, traumatism in.																		
174	Machinery, traumatism by:																		
	1. Elevator accident.	1																	1
	2. Machinery accident.																		1
175	Traumatism by vehicles, railways (accidental):																		
	1. Automobile.	3	3	1	1	3		3	1	2	1					2	1	2	5
	2. Bicycle.	1	1																2
	3. Jumped from window.																		1
	4. Rupture of liver.																		1
176	Steam railroad accidents.	1														1			2
177	Street railroad accidents.	3														2	1	6	1
178	7. Vehicles, injured by.	1														1	3	1	1
179	Kicked by horse.	1														1	1	2	
180	Starvation.																		2
181	Frost bite (gangrene).																		1
182	Insolation.															1			1
183	Lightning.	1														1			1
184	Electric shock.	1														1			1
185	Hemiplegia, firearms.	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	4	3	1
186	Hemiplegia, cutting instruments.	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	3	1	1
187	Hemiplegia, other forms:																		
188	1. Poison, criminal.	2																	2
189	2. Strangulation.																		1
190	3. Strangulation.																		1
191	4. Struck by automobile.															1			1
192	5. Struck by brick.															1			1
193	6. Struck by metal rod.															1			1
194	7. Run over by wagon.															1			1
195	8. Assault, fracture of skull.															1			4
196	Fracture of skull (cause unknown).																		2

RECAPITULATION.

RECAPITULATION.																																				
I. General diseases.....	196	193	129	140	46	37	152	96	54	51	136	103	75	135	47	67	1	.....	1	162	148	154	144	234	254	208	214	71	55	2	1	3	4	2	3
II. Diseases of nervous system and organs of special sense.....	137	41	53	40	15	14	57	33	9	22	8	44	108	13	68	2	1	10	1	67	44	26	29	143	116	74	92	40	36	...	1	5	1	7	4	
III. Diseases of circulator. system.....	215	87	89	71	11	11	85	52	4	28	21	82	183	41	91	8	...	5	6	75	79	29	46	218	168	132	140	95	85	...	13	1	6	7		
IV. Diseases of respiratory system.....	89	53	80	40	52	30	45	28	86	71	39	21	36	99	20	49	1	1	1	89	51	118	100	90	107	107	79	42	51	1	...	2	2	...	2	
V. Diseases of digestive system.....	64	47	29	30	55	41	30	10	67	48	12	10	19	39	7	27	...	...	...	68	60	72	62	78	66	42	53	19	11	...	3	...	1	...	...
VI. Diseases of genito-urinary system.....	140	69	98	52	3	9	59	41	5	2	22	17	59	87	33	60	3	1	2	38	41	25	33	170	131	132	93	50	32	...	6	2	2	7		
VII. The puerperal state.....	15	...	15	...	...	...	4	...	...	...	5	...	...	...	...	...	...	...	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
VIII. Diseases of skin and cellular tissue.....	1	...	2	2	1	...	2	...	...	...	1	...	4	4	1	5	...	...	...	2	1	...	...	1	...	4	7	5	3	...	...	...	...	...	...
IX. Diseases of organs of locomotion.....	2	...	2	3	...	1	2	...	3	...	1	...	1	...	1	...	...	...	...	2	...	1	...	2	2	3	2	1	...	...	...	...	...	...	...
X. Malformations.....	...	...	16	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	10	7	3	1	1	...	...	...	...	...	...	...	...	...	...
XI. Early infancy.....	...	...	128	70	...	...	75	68	...	...	...	...	...	...	...	...	...	...	...	119	67	74	68	6	3	1	...	...	...	...	...	...	...	...	...
XII. Old age.....	11	6	2	5	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3	...	17	32	7	22	10	17	...	...	...	...	...	...
XIII. External causes.....	68	19	28	9	21	14	47	13	8	15	25	7	13	25	6	18	2	7	1	42	27	15	16	79	28	46	18	15	11	...	...	31	7	13	4
XIV. Ill-defined diseases.....	1	...	1	...	1	3	2	...	3	...	...	...	1	...	...	...	...	...	...	2	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...
Total, all causes.....	924	530	510	406	352	240	478	285	317	274	287	194	350	720	173	391	33	6	24	11	683	539	521	512	1,039	919	756	734	349	304	3	2	66	19	31	28

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, condi-

JANUARY.

Day of month.	Color.	Communicable diseases.						Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Violence.				All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.					
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.		Meningitis epidemic.	Fellagra.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).					Pulmonary congestion.	Sunstrokes.	Accidents and negligence.	Suicides.	Homicides, criminal.
1.....	W. C.						2								1			7	10	12	11		
2.....	W. C.						1			1					1			2	2	12	2		
3.....	W. C.						1											3	12	6	18		
4.....	W. C.						3								1			10	8	12	20		
5.....	W. C.	1					1								2			4	10	19	23		
6.....	W. C.						1								1			15	16	5	21		
7.....	W. C.					1	1									1		4	8	7	15		
8.....	W. C.						2		1						2	1		5	10	6	19		
9.....	W. C.						1											6	8	5	19		
10.....	W. C.						3											1	9	8	13		
11.....	W. C.	1					2		1		1							8	12	7	19		
12.....	W. C.						1				1				2	1		4	8	6	14		
13.....	W. C.						1				1							2	6	9	15		
14.....	W. C.						2				1							7	6	6	20		
15.....	W. C.						1		1		1		1					8	9	6	19		
16.....	W. C.					1	1				1		2		1		1	11	11	4	20		
17.....	W. C.						1						1					10	7	7	18		
18.....	W. C.						1								1			4	9	5	20		
19.....	W. C.						2											12	6	9	21		
20.....	W. C.						1								1			11	5	6	17		
21.....	W. C.						2											3	6	3	12		
22.....	W. C.						2		1									2	6	3	11		
23.....	W. C.						2											11	3	5	8		
24.....	W. C.						1				1				1			13	6	4	20		
25.....	W. C.						2											6	8	8	21		
26.....	W. C.						1											6	10	9	18		
27.....	W. C.						2								1		1	11	8	8	21		
28.....	W. C.						1			1								9	13	8	24		
29.....	W. C.						2				1				1			6	12	6	18		
30.....	W. C.						1											9	12	9	21		
31.....	W. C.						4											3	10	11	24		
Total..	W. C.	1	1	0	1	1	25	0	1	1	3	4	6	0	10	5	1	250	335	328	563		

arranged with reference to race, cause of death, and corresponding daily meteorological conditions.

JANUARY.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			S a. m.	S p. m.			
30.38	70	34	22	12	28	23.1	18	NE...	SE....	90	0	1
30.14	70	43	25	18	34	26.6	22	S.....	NW...	244	T.	2
30.45	62	31	22	9	26	21.9	15	NW...	NW...	202	0	3
30.38	68	35	24	11	30	26.3	21	SE....	E.....	82	0	4
30.40	86	43	18	25	30	27.7	26	NW...	SE....	69	0	5
29.96	90	58	31	27	44	44.3	44	NE...	SE....	145	.89	6
29.84	76	48	38	20	48	40.6	36	Calm..	NW...	199	.13	7
30.20	66	47	31	16	39	31.6	26	S.....	N.....	143	0	8
30.31	72	43	29	14	36	30.1	16	N.....	N.....	106	0	9
30.42	82	43	22	21	32	27.2	24	Calm..	S.....	50	0	10
30.20	90	37	25	12	31	30.2	29	SE....	NE...	112	.21	11
29.32	96	44	34	10	39	38.5	38	NW...	NW...	356	2.77	12
29.80	70	51	37	14	44	38.4	32	NW...	NW...	472	.36	13
30.04	88	48	30	18	39	35.8	34	S.....	SE....	65	0	14
30.12	74	42	24	18	43	38.2	34	N.....	S.....	136	.01	15
30.34	74	45	29	16	37	32.1	28	N.....	E.....	116	0	16
30.04	97	46	36	10	41	41.6	42	SE....	SE....	79	.41	17
29.54	98	63	46	17	54	56.8	56	NE...	SE....	148	.61	18
29.56	60	63	36	27	40	37.0	30	NW...	NW...	138	.01	19
29.80	86	38	31	7	34	31.6	30	S.....	W.....	125	.21	20
30.22	61	33	26	7	30	25.3	18	NW...	NW...	227	0	21
30.44	72	36	22	14	29	24.9	20	W.....	SE....	116	0	22
30.20	70	51	34	17	42	39.4	34	N.....	NW...	208	.01	23
30.38	65	35	28	7	32	25.8	19	S.....	NE...	279	.17	24
29.94	98	36	30	6	33	32.0	32	N.....	SW...	139	.15	25
30.24	70	59	27	12	33	28.4	24	NW...	E.....	174	0	26
30.17	77	41	33	8	37	32.4	19	N.....	N.....	125	T.	27
30.10	73	38	25	13	32	30.8	26	NE...	NW...	178	T.	28
30.34	58	36	18	18	27	21.2	13	N.....	N.....	149	0	29
30.50	56	31	18	13	24	19.6	11	NE...	SE....	132	0	30
30.27	93	30	24	6	27	26.9	26	NE...	NE...	129	.40	31
.....

Day of month.	Color.	Communicable diseases.						Pellagra.	Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.		
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.			Meningitis epidemic.	Under 2 years.				2 years and over.	Bronchitis (all forms).	Accidents and negligence.					Suicides.	Homicides, criminal.
1	W. C.					2					1	2		1		5	11	17	3				
2	W. C.					1		1			2	2		1		4	6	22	1				
3	W. C.										1	1				5	7	22	1				
4	W. C.					5										11	12	21	4				
5	W. C.															13	9	21	1				
6	W. C.					1					3	3				9	10	16	1				
7	W. C.					2					2	1				1	6	17					
8	W. C.										1	1				5	9	17					
9	W. C.			1							3	3		1		8	8	20	1				
10	W. C.					1					2	2				4	7	17	1				
11	W. C.							1		1	3	3				14	7	21	2				
12	W. C.					2					1	1				3	10	19	1				
13	W. C.					1					3	3			1	5	9	19	2				
14	W. C.					2					1	1			2	6	12	19	2				
15	W. C.					1					2	2				10	16	23	1				
16	W. C.					1						3				5	7	23	1				
17	W. C.										1	1				9	9	20	2				
18	W. C.				1	2					1	1			1	10	18	19	3				
19	W. C.					1			1			4				6	11	19	3				
20	W. C.															12	13	18	1				
21	W. C.				1	2				1	1	1		1		13	17	26	3				
22	W. C.					2					3	3				9	12	19	3				
23	W. C.					3					1	2		1		12	18	26	1				
24	W. C.					1					2	3			1	4	14	24	1				
25	W. C.	1									1	1				3	10	24	2				
26	W. C.					1					3	3				12	16	24	2				
27	W. C.										1	1				3	8	17	1				
28	W. C.					1					1	1				11	12	17	1				
29	W. C.					2					1	1				4	5	21	1				
30	W. C.										2	2				15	21	29	1				
31	W. C.										1	1				7	10	18	2				
	W. C.										1	1				10	13	24	2				
	W. C.															7	11						
Total	W. C.	1	1	2	1	23		1	0	1	2	9	1	9	0	2	256	367	586	341			
	C.	1	0	0	0	26		1	1	2	5	0	1	0	1	3	132	219		25			

REPORT OF THE HEALTH OFFICER.

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arranged with reference to race, cause of death, and corresponding daily meteorological
Continued.

FEBRUARY.

[illegible]

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—

MARCH.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).		Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis, epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.	2 years and over.	Accidents and negligence.	Suicides.	Homicides, criminal.				
1	W. C.	1					2					3				1	11	16	25
2	W. C.						1					3		1			4	9	5
3	W. C.						2					5					10	12	28
4	W. C.						1					6					5	13	3
5	W. C.						1					3					6	9	22
6	W. C.						2					1					5	7	15
7	W. C.						1					2					4	8	4
8	W. C.						2					5					15	24	33
9	W. C.						1					3					8	9	2
10	W. C.						1					1					10	10	19
11	W. C.						4					3					4	9	1
12	W. C.						1					1					11	13	1
13	W. C.						1					3					4	11	24
14	W. C.						1					5					6	12	2
15	W. C.						1					1					6	9	2
16	W. C.						2					5					10	13	1
17	W. C.						1					2					5	10	23
18	W. C.						3					3					11	14	1
19	W. C.						2					1					2	8	22
20	W. C.						1					1					15	18	28
21	W. C.						1					3					5	10	1
22	W. C.						2					2					13	15	26
23	W. C.						1					1					10	12	2
24	W. C.						2					2					6	11	23
25	W. C.						1					3					12	18	1
26	W. C.						1					1					3	5	23
27	W. C.						1					2					5	9	18
28	W. C.						2					3					4	15	2
29	W. C.						1					1					5	8	23
30	W. C.						1					2					10	12	2
31	W. C.						1					1					9	10	19
1	W. C.	1					2					2					5	7	22
2	W. C.						1					1					9	12	1
3	W. C.						2					2					7	10	1
4	W. C.						1					2					5	10	15
5	W. C.						2					2					1	21	2
6	W. C.						1					1					16	15	28
7	W. C.						1					4					5	7	1
8	W. C.						2					1					9	13	1
9	W. C.						1					1					14	18	30
10	W. C.						1					2					9	15	2
11	W. C.						1					3					13	17	4
12	W. C.						3					4					3	5	23
13	W. C.						2					1					12	15	1
14	W. C.						1					2					9	16	22
15	W. C.						1					1					9	14	1
16	W. C.						1					6					6	16	2
17	W. C.						2					1					8	12	30
18	W. C.						1					1					8	8	1
19	W. C.						1					2					3	7	15
20	W. C.						1					2					3	9	2
21	W. C.						4					3					12	15	20
22	W. C.						1					2					7	10	2
23	W. C.						1					2					12	15	2
24	W. C.						1					1					7	13	25
25	W. C.						1					2					10	13	3
26	W. C.						1					3					10	10	23
27	W. C.						1					3					6	7	2
28	W. C.						2					3					11	11	1
29	W. C.						1					4					1	4	15
Total.	W. C.	1	2	1	1	1	25	1	0	4	4	65	0	14	5	301	432	708	28
	C.	2	...	0	1	0	42	0	...	6	8	63	1	3	2	148	276	48	...

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—

APRIL.

Day of month.	Color.	Communicable diseases.					Diar- rheal diseases (dysen- tery ex- cluded).	Under 2 years. 2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total deaths.	Deaths under 1 year.							
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.							Accidents and negligence.	Suicides.	Homicides, criminal.											
						Meningitis, epidemic.	Pellagra.	Rheumatism, acute.																		
1.....	W. C.	..	..	..	..	3	1	..	..	1	6	..	..	..	..	7	16	26	3
2.....	W. C.	..	..	..	..	1	1	..	..	1	2	..	..	..	..	5	10	1	1
3.....	W. C.	..	..	..	..	1	1	..	..	2	4	..	1	..	..	14	17	25	1
4.....	W. C.	..	..	..	..	2	1	..	..	2	..	..	..	..	..	3	8	..	..					
5.....	W. C.	..	..	..	..	1	..	..	..	1	..	..	..	..	..	7	13	21	..
6.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	10	14	21	2
7.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	5	5	14	..
8.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	3	11	27	2
9.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	11	15	27	2
10.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	10	12	22	1
11.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	10	15	22	2
12.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	7	12	19	1
13.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	13	20	27	1
14.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	5	7	..	..					
15.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	4	11	23	..
16.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	5	4	..	..					
17.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	4	10	22	2
18.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	8	10	22	3
19.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	6	12	19	1
20.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	7	7	13	..
21.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	4	9	22	2
22.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	7	11	18	..
23.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	9	16	24	1
24.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	5	8	14	1
25.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	10	13	22	..
26.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	4	9	17	1
27.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	10	11	18	1
28.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	3	8	11	1
29.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	8	10	19	2
30.....	W. C.	..	..	..	..	..	..	..	..	2	..	..	..	..	..	1	4	10	1
Total..	W. C.	1 0	2 0	2 0	3 3	3 0	32 46	..	0 1	1 2	4 1	5 7	18 8	5 3	2 2	241 133	364 239	603	321 27							

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—
MAY.

MAY.

Day of month.	Color.	Communicable diseases.							Diarrheal diseases (dysentery excluded).							Violence.										
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.	Rheumatism, acute.	Under 2 years.		Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.		Suicides.	Homicides, criminal.						
											Under 2 years.	2 years and over.					Accidents and negligence.	Suicides.								
1.....	W. C.						1						3				1		1	2						
2.....	W. C.						1				1		3					1								
3.....	W. C.						3						3													
4.....	W. C.						1										1									
5.....	W. C.						1						1					1		1						
6.....	W. C.						1						1													
7.....	W. C.	1					1					1														
8.....	W. C.						1						1													
9.....	W. C.						4						1				1									
10.....	W. C.						1						1					1								
11.....	W. C.						1						1													
12.....	W. C.						1					1														
13.....	W. C.						1																			
14.....	W. C.						2					1					1									
15.....	W. C.			1			1					1						1								
16.....	W. C.		1				1					1					1									
17.....	W. C.	1					1						2													
18.....	W. C.												1				1									
19.....	W. C.						1						1													
20.....	W. C.						2						2													
21.....	W. C.						2						1													
22.....	W. C.						3					1					1									
23.....	W. C.						2																			
24.....	W. C.						1		1				1				2									
25.....	W. C.						1																			
26.....	W. C.				1												2									
27.....	W. C.						1		1				1				1									
28.....	W. C.						1			1			1													
29.....	W. C.						2																			
30.....	W. C.						2		1				1													
31.....	W. C.						3						1					1								
Total.	W. C.	2	1	0	1	0	21	1	1	3	1	2	2	3	10	1	10	3	4	0	3	226	2831	1957	478	341

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MAY.

[illegible]

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—

JUNE.

Day of month.	Color.	Communicable diseases.								Rheumatism, acute.	Diar-rheal diseases (dysen-tery ex-cluded).				Violence.								Deaths by color.	Total deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.	Meningitis epidemic.	Pellagra.		Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Accidents and negligence.			Suicides.	Homicides, criminal.	All other diseases.			
1.....	W.						3						2				1			6	12	18	2		
2.....	C.						2						1						5	7	6	2			
3.....	W.						1										1		9	10	20	2			
4.....	C.						1												5	7	12				
5.....	W.						1						2				1		5	5	17	1			
6.....	C.						1						1						7	10	17				
7.....	W.			1			1						2				1		1	11	22				
8.....	C.						1						1				1		2	8	18				
9.....	W.		1				2						1				1		5	5	17				
10.....	C.						2										1		5	5	12	1			
11.....	W.						1										1		7	9	13				
12.....	C.		1				1												7	7	16	1			
13.....	W.						1						1				1		6	4	12	1			
14.....	C.						1				1								5	5	17	1			
15.....	W.						1						1						6	6	10	2			
16.....	C.						1												3	3	17	1			
17.....	W.						1												11	11	17	3			
18.....	C.						2						3				2		5	8	22				
19.....	W.						1						1						9	6	17	1			
20.....	C.						1												4	7	17	2			
21.....	W.						1												10	10	17	1			
22.....	C.						1						1				3		9	13	20				
23.....	W.						1						2						7	8	17	3			
24.....	C.						1												4	5	12	1			
25.....	W.						1						1						5	3	15				
26.....	C.						1										1		3	3	6	1			
27.....	W.						2												1	3	6				
28.....	C.						1						1						5	8	14				
29.....	W.		1				2												8	7	15	2			
30.....	C.						1						1				1	1	4	5	12				
	W.						2												6	6	11				
	C.						2												7	7	18	1			
Total.	W. C.	2 0	1 1	0 1	0 2	28 28	0 3	1 0	2 3	1 1	3 3	15 11					14 6	8 0	0 1	179 146	254 206	460	20 26		

arranged with reference to race, cause of death, and corresponding daily meteorological
Continued.

JUNE.

[illegible]

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915,
conditions—
JULY.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total Deaths.	Deaths under 1 year.											
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.								Accidents and negligence.	Suicides.	Homicides, criminal.															
1.	W.	1				1	1								1			9	11	19	2											
2.	C.									1								5	8	14	1											
3.	W.						1									1		3	6	11												
4.	C.											1						7	8	12	4											
5.	W.																	3	4	10	1											
6.	C.						1			1					1			6	6	10	1											
7.	W.																	1	4	5	1											
8.	C.									1					1		1	3	3	13	1											
9.	W.	1					3								1	1		3	6	14	1											
10.	C.										1							4	9	12	1											
11.	W.						2			1		1			1			2	3	19	1											
12.	C.						1									2		6	9	22												
13.	W.			1			1					1						5	8	14	1											
14.	C.						1					1						7	10	17	2											
15.	W.						1			1		1						1	4	14	1											
16.	C.						2					1			3			4	9	17	3											
17.	W.	1					3			2					1		1	2	5	16	1											
18.	C.						1			1		1						4	5	17	1											
19.	W.						1								1	1		10	18	22	2											
20.	C.						1					1						6	9	17	1											
21.	W.						1											13	15	22	2											
22.	C.											1						5	7	12												
23.	W.						1			1					1			6	8	14	2											
24.	C.																	4	6	15												
25.	W.						1			2					2			8	12	15	4											
26.	C.											1						9	11	14	1											
27.	W.						1		1			1			1	1		2	4	13	3											
28.	C.						1											1	2	15	1											
29.	W.									1		2						3	6	13	1											
30.	C.						3											6	9	15												
31.	W.									1								7	8	15	8											
	C.						1								1			0	0	0	3											
	W.																	11	18	20	3											
	C.									1								0	2	1	1											
	W.						1								1			5	6	10	1											
	C.						2											3	4	1	1											
	W.									1								3	3	1	1											
	C.																	2	5	13												
	W.	1					1					1			1			12	13	23	1											
	C.																	8	10	17	1											
	W.						1											10	11	17	1											
	C.											1						4	6	20	4											
	W.						1								2	1		9	14	21	1											
	C.																	4	6	20	4											
	W.						2			1					1			5	9	21	2											
	C.						2					1						9	12	21	2											
	W.						2								1	1		8	13	21	1											
	C.						1			1								6	8	14	1											
	W.																	7	9	18	4											
	C.								3			2						4	9	34	30											
Total	W.	1		1	3	28	0		10	5	3	10			17	10	1	209	300	489	34											
	C.	3		0	1	34	0		16	0	0	10		0	8	1	3	112	189		30											

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915,
conditions—
AUGUST.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total Deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.								Meningitis, epidemic.	Pellagra.					
1.....	W. C.						1			1								3	5	17	2
2.....	W. C.						2		2	1								7	12	30	5
3.....	W. C.						2		2	1	1							11	16	41	1
4.....	W. C.	1					1		1									4	14	14	2
5.....	W. C.																	2	6	9	1
6.....	W. C.									1								4	5		
7.....	W. C.				1		1		1			2						4	6	12	1
8.....	W. C.						2		1									3	7	13	1
9.....	W. C.						1				1							4	6	12	2
10.....	W. C.	2					2					1						5	6		
11.....	W. C.																	6	7	17	1
12.....	W. C.																	4	6		
13.....	W. C.																	5	6	12	
14.....	W. C.																	4	6		
15.....	W. C.																	5	6	12	1
16.....	W. C.																	4	6		
17.....	W. C.																	5	6	12	2
18.....	W. C.																	4	6		
19.....	W. C.																	5	6	12	1
20.....	W. C.																	4	6		
21.....	W. C.																	5	6	12	4
22.....	W. C.																	4	6		
23.....	W. C.																	5	6	12	1
24.....	W. C.																	4	6		
25.....	W. C.																	5	6	12	1
26.....	W. C.																	4	6		
27.....	W. C.																	5	6	12	1
28.....	W. C.																	4	6		
29.....	W. C.																	5	6	12	1
30.....	W. C.																	4	6		
31.....	W. C.																	5	6	12	1
Total	W. C.	1 6	...	1 0	...	23 28	...	1 1	...	20 23	7 5	10 15	...	1 0	7 8	6 3	1 3	179 122	257 215	472	42 37

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AUGUST.

[illegible]

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—
SEPTEMBER.

Day of month.	Color.	Communicable diseases.						Diarrheal diseases (dysentery excluded).	Rheumatism, acute.	Under 2 years.	2 years and over.	Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total Deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.									Meningitis epidemic.	Pellagra.	Accidents and negligence.					Suicides.	Homicides, criminal.
1.....	W.																	4	4	12	2	
2.....	C.																	8	8	2	2	
3.....	W.																	4	4	14	2	
4.....	C.																	5	5	1	1	
5.....	W.																	3	3	15	2	
6.....	C.																	8	8	1	1	
7.....	W.																	12	12	14	1	
8.....	C.																	7	7	1	1	
9.....	W.																	4	4	23	1	
10.....	C.																	17	17	1	1	
11.....	W.																	6	6	3	3	
12.....	C.																	10	10	24	3	
13.....	W.																	5	5	3	3	
14.....	C.																	8	8	2	2	
15.....	W.																	11	11	17	1	
16.....	C.																	6	6	2	2	
17.....	W.																	2	2	18	2	
18.....	C.																	5	5	2	2	
19.....	W.																	8	8	15	1	
20.....	C.																	7	7	1	1	
21.....	W.																	6	6	24	2	
22.....	C.																	10	10	18	2	
23.....	W.																	4	4	16	2	
24.....	C.																	9	9	2	2	
25.....	W.																	3	3	20	1	
26.....	C.																	15	15	1	1	
27.....	W.																	7	7	18	2	
28.....	C.																	11	11	2	2	
29.....	W.																	6	6	17	1	
30.....	C.																	7	7	16	2	
31.....	W.																	3	3	13	1	
31.....	C.																	6	6	4	4	
Total..	W.	2	1	0	0	19	1	1	1	16	6	1	10	13	2	1	223	294	492	47		
	C.	1	2	2	1	35	1	1	1	19	4	2	12	5	0	1	115	198	45	45		

arranged with reference to race, cause of death, and corresponding daily meteorological Continued.

SEPTEMBER.

Mean barometer (actual).	Mean relative humidity.	Temperature (exposed bulb).				Mean wet bulb.	Mean dew point.	Direction of wind.		Total movement of wind.	Rainfall (inches).	Day of month.
		Maximum.	Minimum.	Range.	Mean.			s a. m.	s p. m.			
30.30	72	71	54	17	62	55.8	52	N.....	NE....	165	0	1
30.26	68	72	57	15	64	57.8	53	N.....	N.....	165	T.	2
30.18	72	79	60	19	70	61.4	58	NE....	N.....	115	0	3
30.08	81	81	59	22	70	65.5	64	0	NW....	39	0	4
30.02	79	84	66	18	75	67.8	66	S.....	SE....	102	T.	5
29.99	88	82	70	12	76	71.0	70	SE....	SE....	157	0.61	6
29.96	89	88	72	16	80	73.8	73	SE....	SW....	68	.01	7
29.96	86	89	69	20	79	72.8	71	0	W.....	58	0	8
29.98	84	92	68	24	80	72.8	72	SW....	SW....	79	0	9
30.04	76	86	72	17	80	70.4	68	NW....	NW....	123	0	10
30.02	78	92	70	22	81	72.6	68	NW....	SW....	117	.01	11
30.04	80	89	69	20	79	72.6	70	N.....	SE....	69	0	12
30.06	78	94	70	24	82	74.1	72	SE....	S.....	89	0	13
30.14	78	94	74	20	84	74.6	72	S.....	SE....	108	0	14
30.24	78	92	74	18	83	73.2	71	S.....	S.....	107	0	15
30.24	78	91	72	19	82	71.8	70	SW....	S.....	83	0	16
30.15	86	92	71	21	82	69.8	68	SW....	N.....	100	.25	17
30.06	79	84	70	14	77	68.8	66	NE....	SE....	111	.18	18
29.91	82	82	64	18	73	66.0	64	W.....	N.....	141	.12	19
29.92	81	83	61	22	72	65.6	64	W.....	S.....	119	0	20
29.86	78	75	55	20	65	58.1	45	SW....	NW....	292	.21	21
30.28	49	66	46	20	56	47.8	60	NW....	N.....	149	0	22
30.33	63	70	43	27	56	48.7	42	N.....	SE....	76	0	23
30.27	76	76	45	31	60	53.4	50	S.....	W.....	65	0	24
30.30	80	78	51	27	64	57.4	55	N.....	SE....	61	0	25
29.88	62	80	59	21	70	61.2	56	SW....	SW....	191	0	26
30.02	63	70	48	22	59	48.0	42	N.....	N.....	194	T.	27
30.06	74	65	43	22	54	47.0	43	N.....	NW....	101	0	28
30.15	74	69	43	26	56	47.6	44	NW....	W.....	76	0	29
30.19	59	69	43	26	56	49.8	48	NE....	NE....	96	T.	30
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	31
.....

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—

OCTOBER.

Day of month.	Color.	Communicable diseases.						Rheumatism, acute.	Diarrheal diseases (dysentery excluded).		Bronchitis (all forms).	Pneumonia (all forms).	Pulmonary congestion.	Sunstrokes.	Violence.			All other diseases.	Deaths by color.	Total Deaths.	Deaths under 1 year.
		Typhoid fever.	Measles.	Scarlet fever.	Whooping cough.	Diphtheria.	Pulmonary tuberculosis.		Under 2 years.	2 years and over.					Accidents and negligence.	Suicides.	Homicides, criminal.				
1.....	W. C. C.						1				1				2			11	15	20	2
2.....	W. C. C.	1					2		1									1	5	1	1
3.....	W. C. C.	1					1				1				1			11	4	14	2
4.....	W. C. C.						1					2						3	8	2	
5.....	W. C. C.						1				1	3			1			4	6	2	
6.....	W. C. C.						1		1									6	7	20	3
7.....	W. C. C.						2								1			8	9	13	1
8.....	W. C. C.						2								1		1	7	6	13	2
9.....	W. C. C.						1											4	4	13	1
10.....	W. C. C.						1		1		1							4	6	11	1
11.....	W. C. C.						1				1							9	5	18	1
12.....	W. C. C.						1	1										9	7	15	3
13.....	W. C. C.						1				1							10	11	17	1
14.....	W. C. C.	1					2		2		1							5	7	25	1
15.....	W. C. C.				1		1			1					1			8	13	23	1
16.....	W. C. C.						1											9	10	16	4
17.....	W. C. C.						1				1				3			4	5	13	1
18.....	W. C. C.	1					2		1			2			3	1		9	6	24	3
19.....	W. C. C.						1											7	11	15	6
20.....	W. C. C.						4		1		1							3	4	14	1
21.....	W. C. C.						1					1			1			6	8	21	1
22.....	W. C. C.	1					1		1									12	9	19	4
23.....	W. C. C.	1					1								1	1		9	11	19	4
24.....	W. C. C.			1			1	1			1							6	10	14	1
25.....	W. C. C.						1											7	6	16	2
26.....	W. C. C.						1				1							10	9	17	3
27.....	W. C. C.						1								3			8	8	17	2
28.....	W. C. C.						2		2									6	12	16	
29.....	W. C. C.						1				1							3	4	16	
30.....	W. C. C.						1								1			8	10	14	4
31.....	W. C. C.						1											2	4	13	1
Total..	W. C. C.	1	5	0	1	0	30	1	0	7	4	19			13	7	3	227	308	508	46
							32			11	1	11			5	1	0	130	200		31

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OCTOBER.

[illegible]

REPORT OF THE HEALTH OFFICER.

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arranged with reference to race, cause of death, and corresponding daily meteorological
Continued.

NOVEMBER.

[illegible]

TABLE 2.—Daily mortality in the District of Columbia during the calendar year 1915, conditions—

DECEMBER.

[illegible]

TABLE 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1896 to 1915, inclusive.

WHITE MALES.

Year.	All ages.		5 years and over.		
	Deaths.	Average age.	Deaths.	Average age.	Percentage to all deaths.
		Yr. mo. d.		Yr. mo. d.	
1896-1900.....	1,764	35 6 21	1,316	50 11 16	74.60
1901-1905.....	1,875	41 8 7	1,487	52 3 24	79.31
1906-1910.....	2,021	43 11 17	1,633	54 3 1	80.78
1911.....	2,089	46 0 28	1,739	55 2 23	83.24
1912.....	1,976	46 5 3	1,658	55 2 19	83.91
1913.....	1,987	47 4 26	1,678	56 0 2	84.45
1914.....	1,955	49 9 28	1,712	56 9 23	87.57
1915.....	2,137	48 3 16	1,837	56 1 0	85.96

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.	Percentage to all deaths.	Deaths.	Average age.	Percentage to all deaths.
		Yr. mo. d.			Yr. mo. d.	
1896-1900.....	1,216	53 11 18	68.93	906	64 10 24	51.36
1901-1905.....	1,398	54 9 29	74.56	1,057	62 9 9	56.37
1906-1910.....	1,548	56 6 20	76.58	1,217	63 7 6	60.61
1911.....	1,665	57 1 12	70.12	1,322	63 11 11	63.28
1912.....	1,587	57 1 15	80.31	1,261	63 9 12	63.81
1913.....	1,603	58 0 13	80.67	1,303	64 2 28	65.57
1914.....	1,642	58 8 20	83.99	1,371	64 2 8	70.13
1915.....	1,754	58 2 3	82.08	1,451	63 9 19	67.89

WHITE FEMALES.

Year.	All ages.		5 years and over.		
	Deaths.	Average age.	Deaths.	Average age.	Percentage to all deaths.
		Yr. mo. d.		Yr. mo. d.	
1896-1900.....	1,474	38 3 27	1,105	54 1 23	74.96
1901-1905.....	1,519	43 5 16	1,221	52 3 14	80.38
1906-1910.....	1,605	45 5 27	1,308	55 7 22	81.47
1911.....	1,650	47 0 17	1,357	57 0 17	82.24
1912.....	1,630	50 1 4	1,412	56 10 12	86.62
1913.....	1,581	48 2 26	1,340	56 9 6	84.75
1914.....	1,538	50 7 16	1,343	57 10 23	87.32
1915.....	1,781	52 0 19	1,575	58 9 7	88.43

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.	Percentage to all deaths.	Deaths.	Average age.	Percentage to all deaths.
		Yr. mo. d.			Yr. mo. d.	
1896-1900.....	1,003	55 0 24	68.05	736	63 8 17	49.93
1901-1905.....	1,144	56 6 0	75.31	867	64 11 6	57.08
1906-1910.....	1,229	58 4 18	76.56	981	65 3 6	61.01
1911.....	1,288	59 5 5	78.06	1,037	66 6 24	62.85
1912.....	1,347	59 11 2	82.62	1,102	66 6 10	67.61
1913.....	1,363	59 4 22	79.89	1,020	66 2 20	64.52
1914.....	1,281	60 1 2	83.29	1,263	66 4 5	82.12
1915.....	1,504	60 10 26	84.45	1,245	67 3 6	69.90

TABLE 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1896 to 1915, inclusive—Continued.

COLORED MALES.

Year.	All ages.		5 years and over.		
	Deaths.	Average age.	Deaths.	Average age.	Percentage to all deaths.
		<i>Yr. mo. d.</i>		<i>Yr. mo. d.</i>	
1896-1900.....	1,262	24 2 5	723	41 0 11	57.29
1901-1905.....	1,332	28 2 28	851	43 1 21	63.89
1906-1910.....	1,375	30 7 22	957	43 8 11	69.61
1911.....	1,319	33 0 6	986	43 11 6	74.75
1912.....	1,348	33 11 26	1,021	44 7 26	75.74
1913.....	1,253	34 7 26	939	45 11 23	74.94
1914.....	1,214	34 10 21	930	45 3 26	76.60
1915.....	1,311	35 3 22	1,028	45 4 9	78.41

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.	Percentage to all deaths.	Deaths.	Average age.	Percentage to all deaths.
		<i>Yr. mo. d.</i>			<i>Yr. mo. d.</i>	
1896-1900.....	605	46 11 7	47.94	369	58 3 29	29.24
1901-1905.....	761	46 6 15	57.88	475	57 8 2	35.56
1906-1910.....	869	46 9 17	63.21	525	57 8 4	38.19
1911.....	901	46 10 4	68.31	548	57 7 8	41.55
1912.....	931	47 8 1	69.06	603	56 11 4	44.73
1913.....	880	48 2 7	70.23	573	57 7 28	45.73
1914.....	878	47 2 3	72.32	551	57 1 4	43.58
1915.....	961	47 7 8	73.30	618	56 9 26	47.14

COLORED FEMALES.

Year.	All ages.		5 years and over.		
	Deaths.	Average age.	Deaths.	Average age.	Percentage to all deaths.
		<i>Yr. mo. d.</i>		<i>Yr. mo. d.</i>	
1896-1900.....	1,311	26 3 12	820	42 5 5	62.55
1901-1905.....	1,315	29 4 17	808	40 11 27	68.29
1906-1910.....	1,304	31 0 7	930	43 1 23	71.32
1911.....	1,245	33 6 22	919	45 2 7	73.81
1912.....	1,305	33 8 18	988	44 3 10	75.71
1913.....	1,185	34 11 3	919	44 10 12	77.55
1914.....	1,159	36 3 26	951	44 1 5	82.05
1915.....	1,276	37 3 5	1,046	45 1 1	81.97

Year.	20 years and over.			40 years and over.		
	Deaths.	Average age.	Percentage to all deaths.	Deaths.	Average age.	Percentage to all deaths.
		<i>Yr. mo. d.</i>			<i>Yr. mo. d.</i>	
1896-1900.....	663	47 4 28	50.57	404	59 11 7	30.82
1901-1905.....	764	47 1 1	58.10	471	57 8 1	35.82
1906-1910.....	814	47 3 27	62.43	496	57 6 1	38.00
1911.....	828	48 7 21	66.51	533	59 5 11	42.81
1912.....	876	48 1 27	67.13	555	58 8 24	42.53
1913.....	829	48 3 1	69.96	527	58 11 5	44.47
1914.....	840	48 0 25	72.47	539	58 2 9	46.50
1915.....	952	48 4 28	74.61	626	58 4 3	49.06

TABLE 4.—*Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, sex, age, and by months, during the calendar year 1915.*

Age.	January.				February.				March.				April.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 day	3	4	1	2	4	2	1	1	5	3	2	3	4	1	2	3
1 day to 1 week	3	2	1	3	5	3	2	...	4	...	5	3	6	...	2	1
1 week to 1 month .....	...	...	2	1	3	3	6	1	3	2	7	4	1	4	2	2
1 to 2 months .....	...	...	1	...	1	3	3	1	2	...	3	1	3	...	1	...
2 to 3 months .....	...	...	3	1	...	1	...	1	4	...	3	1	...	...	...	2
3 to 4 months .....	...	...	1	...	3	1	...	...	2	...	3	1	...	1	1	1
4 to 5 months	1	...	1	...	...	...	...	...	1	...	1	...	1	...	...	...
5 to 6 months .....	...	...	3	1	...	2	2	...	4	1	...	1	2	...	...	1
6 to 7 months	1	1	1	1	...	1	1	...	1	1	...	...	...	...	...	...
7 to 8 months	1	...	1	...	...	1	1	...	2	1	...	...	4	4	2	...
8 to 9 months .....	...	...	...	...	...	1	...	...	...	...	...	...	1	1	...	...
9 to 10 months	2	...	1	...	1	2	...	...	1	2	...	...	2	...	...	...
10 to 11 months	1	...	...	...	2	1	...	...	1	1	...	1	1	1	...	...
11 to 12 months .....	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...
Total	12	7	16	9	17	17	17	8	20	8	32	16	17	15	15	12
Total by color	19		25		34		25		28		48		32		27	

Age.	May.				June.				July.				August.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 day	3	5	1	2	4	...	6	2	4	...	2	1	2	5	1	3
1 day to 1 week	7	4	3	1	1	...	4	1	3	7	1	2	3	3	5	...
1 week to 1 month	1	2	3	4	...	2	1	1	4	1	2	1	5	1	...	2
1 to 2 months .....	...	1	1	1	...	4	1	1	...	1	...	...	2	2	3	2
2 to 3 months	1	2	2	1	1	...	...	...	1	2	...	2	1	2	2	1
3 to 4 months	1	1	1	...	...	2	2	...	1	1	...	2	...	...	...	2
4 to 5 months	2	...	1	...	...	...	...	...	2	1	...	2	...	2	1	1
5 to 6 months .....	...	...	...	...	...	...	...	1	1	...	...	2	...	2	1	1
6 to 7 months .....	...	...	...	...	1	...	1	...	2	1	...	1	...	1	1	1
7 to 8 months .....	...	1	...	...	...	...	...	...	2	1	...	1	1	1	...	1
8 to 9 months .....	...	...	1	...	1	...	1	2	...	...	...	1	...	...	...	3
9 to 10 months	1	...	...	...	1	...	...	2	...	3	1	1	1	1	1	...
10 to 11 months .....	...	1	2	...	2	...	...	...	2	1	2	...	...	2	...	1
11 to 12 months	1	...	2	...	1	2	...	1	...	...	...	...	1	...	...	...
Total	17	17	17	9	11	9	16	10	20	14	18	12	24	18	19	18
Total by color	34		26		20		26		34		30		42		37	

TABLE 4.—*Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, sex, age, and by months, during the calendar year 1915.*

Age.	September.				October.				November.				December.			
	White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 day.....	8	1	1	3	6	5	2	3	4	4	3	4	1	1	2	2
1 day to 1 week.....	5	3	3	2	2	1	1	4	3	1	2	6	4	4	2	2
1 week to 1 month.....	1	1	2	5	2	1	1	3	1	2	1	2	2	1	2	1
1 to 2 months.....	3	2	2	4	1	2	2	1	1	2	1	2	3	1	2	1
2 to 3 months.....	2	1	1	1	3	1	1	1	1	2	1	2	2	1	2	1
3 to 4 months.....	3	2	2	1	4	1	1	1	1	2	4	2	1	1	2	1
4 to 5 months.....	3	2	1	3	2	1	1	1	1	1	1	1	1	1	2	1
5 to 6 months.....	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
6 to 7 months.....	1	2	3	1	3	2	3	3	1	1	1	1	2	1	2	2
7 to 8 months.....	2	1	1	1	3	1	1	1	1	1	1	1	2	1	1	1
8 to 9 months.....	2	1	2	3	1	2	1	1	1	1	1	1	1	1	1	1
9 to 10 months.....	2	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1
10 to 11 months.....	1	1	1	1	1	2	1	1	3	3	1	1	1	1	1	1
11 to 12 months.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Total.....	31	16	21	24	28	18	14	17	15	13	19	16	24	10	15	10
Total by color.....	47		45		46		31		28		35		34		25	

SUMMARY.

Age.	White.				Colored.				Total.	
	Males.		Females.		Males.		Females.		Deaths.	Percentage to all decedents under 1 year of age.
	Deaths.	Percentage to white male decedents, under 1 year of age.	Deaths.	Percentage to white female decedents, under 1 year of age.	Deaths.	Percentage to colored male decedents, under 1 year of age.	Deaths.	Percentage to colored female decedents, under 1 year of age.		
Under 1 day.....	50	21.19	31	19.16	22	10.04	27	16.77	130	16.71
1 day to 1 week.....	48	20.34	27	16.67	32	14.61	21	13.04	128	16.45
1 week to 1 month.....	28	11.86	18	11.11	28	12.79	22	13.66	96	12.34
1 to 2 months.....	18	7.63	13	8.02	22	10.05	11	6.83	64	8.23
2 to 3 months.....	14	5.93	14	8.64	15	6.85	9	5.59	52	6.68
3 to 4 months.....	11	4.66	13	8.02	20	9.13	12	7.45	56	7.20
4 to 5 months.....	12	5.08	3	1.85	14	6.39	8	4.97	37	4.76
5 to 6 months.....	6	2.54	4	2.47	14	6.39	12	7.45	36	4.63
6 to 7 months.....	9	3.81	10	6.17	8	3.65	8	4.97	35	4.49
7 to 8 months.....	9	3.82	12	7.41	11	5.02	7	4.35	39	5.01
8 to 9 months.....	7	2.97	2	1.23	6	2.28	9	5.59	23	2.96
9 to 10 months.....	12	5.09	6	3.70	9	4.11	7	4.35	34	4.37
10 to 11 months.....	8	3.39	4	2.47	14	6.39	4	2.48	30	3.86
11 to 12 months.....	4	1.69	5	3.08	5	2.29	4	2.49	18	2.31
Total, by color.....	236	100.00	162	100.00	219	100.00	161	100.00	778	100.00

TABLE 5.—Number and age of decedents in the District of Columbia 70 years of age and over during the calendar year 1915.

Age (years).	White.		Colored.		Total.	Age (years).	White.		Colored.		Total.
	Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.	
70.....	39	52	17	16	124	89.....	4	10	.....	.....	14
71.....	30	36	6	8	80	90.....	5	13	2	3	23
72.....	52	39	7	10	108	91.....	4	10	1	.....	15
73.....	39	40	8	8	95	92.....	.....	2	1	1	4
74.....	49	41	17	7	114	93.....	4	1	.....	.....	5
75.....	52	43	8	21	124	94.....	1	3	1	.....	5
76.....	36	30	8	4	84	95.....	2	2	1	.....	5
77.....	30	31	4	2	67	96.....	.....	1	1	.....	2
78.....	35	31	2	8	76	97.....	1	.....	.....	.....	1
79.....	26	38	4	4	72	98.....	.....	.....	.....	1	1
80.....	28	27	9	10	74	99.....	.....	1	.....	.....	1
81.....	22	24	3	4	53	101.....	.....	.....	.....	1	1
82.....	17	22	1	3	43	103.....	.....	.....	.....	2	2
83.....	22	21	2	3	48	107.....	.....	.....	.....	1	1
84.....	18	17	2	2	39	109.....	.....	.....	.....	1	1
85.....	14	23	2	4	43	110.....	.....	.....	1	.....	1
86.....	9	14	1	3	27						
87.....	12	13	.....	.....	25	Total.....	557	597	110	129	1,393
88.....	6	6	1	2	15						

TABLE 6.—Number of deaths in hospitals and other public institutions in the District of Columbia during the calendar year 1915.

Place of death.	White.	Colored.	Total.
Baby Hospital Camp.....	4	.....	4
Baptist Home (Stoddard).....	1	1	2
Casualty Hospital.....	45	35	80
Chevy Chase Sanatorium.....	5	.....	5
Children's Hospital.....	57	48	105
Columbia Hospital.....	18	24	42
Convent of Visitation (Connecticut Avenue).....	1	.....	1
Emergency Hospital.....	91	47	138
Episcopal Eye, Ear, and Throat Hospital.....	12	.....	12
Freedmen's Hospital.....	3	252	255
Florence Crittenton Home.....	7	.....	7
Garfield Memorial Hospital.....	91	59	150
George Washington University Hospital.....	89	.....	89
Georgetown University Hospital.....	123	23	146
Government Hospital for Insane.....	246	93	339
House of Mercy.....	1	.....	1
Home for Aged and Infirm (Blue Plains).....	13	26	39
Home for Incurables.....	12	.....	12
Industrial Home School.....	1	.....	1
John Dickson Home.....	3	.....	3
Little Sisters of the Poor.....	34	19	53
Louise Home.....	6	.....	6
Masonic and Eastern Star Home.....	2	.....	2
Methodist Home for the Aged.....	2	.....	2
National Homeopathic Hospital.....	39	24	63
National Lutheran Home for Aged.....	2	.....	2
National Home, Destitute Colored Women and Children.....	.....	3	3
Providence Hospital.....	165	22	187
Ruppert Home.....	1	.....	1
St. Ann's Infant Asylum.....	25	1	26
Sibley Hospital.....	122	.....	122
Tuberculosis Hospital.....	86	161	247
U. S. Naval Hospital.....	7	1	8
U. S. Soldiers' Home.....	80	8	88
Walter Reed General Hospital.....	24	.....	24
Washington Asylum Hospital.....	92	231	323
Washington Cancer Sanitarium.....	1	.....	1
Washington Home for Foundlings.....	5	.....	5
Washington Orphan Asylum.....	1	.....	1
Total.....	1,517	1,078	2,595

TABLE 7.—Deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged according to the last residence of decedent.

District.	Pulmonary tuberculosis		Pneumonia (all forms).		Bronchitis.		Pulmonary congestion.		Diphtheria.		Scarlet fever.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
1.	5	17	14	10	.....	2	.....	.....	1	.....	.....	.....
2.	4	7	6	12	.....	1	.....	.....	.....	.....	.....	.....
3.	4	6	9	11	2	1	1	1	1	.....	.....	.....
4.	3	8	.....	4	.....	.....	.....	.....	.....	.....	.....	.....
5.	6	33	6	29	.....	2	.....	1	4	.....	.....	.....
6.	8	9	15	8	6	.....	.....	.....	.....	.....	.....	.....
7.	14	7	14	2	2	.....	.....	.....	.....	.....	.....	.....
8.	22	11	20	10	1	2	.....	.....	1	.....	.....	.....
9.	14	59	21	43	.....	2	1	.....	1	.....	.....	.....
10.	13	24	14	13	3	4	1	.....	1	1	.....	.....
11.	.....	34	2	37	.....	5	.....	.....	.....	.....	.....	.....
12.	5	22	3	19	.....	2	1	.....	.....	.....	.....	.....
13.	5	7	5	10	4	.....	.....	.....	.....	.....	.....	.....
14.	19	8	16	9	1	3	.....	.....	3	.....	1	.....
15.	11	12	19	5	2	1	1	.....	2	.....	.....	.....
16.	5	10	5	6	3	2	.....	.....	.....	.....	.....	.....
17.	17	9	16	10	6	1	.....	.....	2	.....	1	.....
18.	15	4	12	4	.....	.....	.....	1	.....	.....	1	.....
19.	6	1	4	5	.....	.....	.....	.....	.....	.....	.....	.....
20.	5	5	6	6	1	.....	.....	.....	.....	.....	.....	.....
21.	2	5	3	2	.....	.....	.....	.....	1	.....	.....	1
22.	.....	6	.....	6	.....	.....	.....	.....	.....	.....	.....	.....
23.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24.	3	1	.....	.....	3	.....	.....	.....	.....	.....	.....	.....
25.	7	4	3	3	.....	2	.....	.....	2	.....	1	.....
26.	21	13	25	10	2	1	.....	.....	.....	.....	.....	.....
27.	1	4	5	4	3	1	.....	.....	.....	.....	1	.....
28.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29.	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
30.	3	4	3	7	.....	.....	.....	.....	1	.....	.....	.....
31.	4	.....	5	.....	.....	.....	.....	.....	1	.....	.....	.....
32.	3	1	6	1	.....	.....	.....	.....	.....	.....	.....	.....
33.	7	6	9	2	1	.....	.....	.....	.....	.....	.....	.....
34.	1	14	.....	8	.....	.....	.....	.....	.....	.....	.....	.....
35.	4	13	6	9	2	1	.....	1	.....	1	.....	.....
36.	8	3	15	4	2	1	.....	.....	3	.....	.....	.....
37.	1	.....	3	1	1	.....	.....	.....	.....	.....	.....	.....
38.	3	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
39.	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
40.	1	1	3	2	.....	.....	.....	.....	1	.....	.....	.....
41.	15	6	7	.....	.....	.....	.....	.....	.....	.....	.....	.....
42.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....
43.	2	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....
44.	1	2	1	1	1	.....	.....	.....	.....	.....	1	.....
45.	.....	1	.....	1	1	1	.....	.....	.....	.....	.....	.....
46.	2	3	.....	2	.....	.....	.....	.....	.....	.....	.....	.....
47.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
48.	4	9	8	9	2	.....	.....	.....	.....	.....	.....	.....
49.	2	2	2	5	.....	.....	.....	.....	.....	.....	.....	.....
50.	11	8	12	6	.....	.....	.....	.....	.....	.....	1	.....
51.	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
52.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
53.	1	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	296	402	333	338	52	35	5	3	22	7	7	1

TABLE 7.—Deaths (stillbirths excluded) in the District of Columbia during the calendar year 1915, arranged according to the last residence of decedent—Continued.

District.	Typhoid fever.		Malarial fever.		Diarrheal diseases (all).		Other diseases.		Total by districts.		
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	Total.
1.....		3			3	2	122	69	144	104	248
2.....					1	4	70	64	81	88	169
3.....	1				7	3	104	49	129	71	200
4.....					2	2	10	22	13	36	49
5.....	1	2			4	15	99	148	120	230	350
6.....	1	2			3	1	165	45	198	65	263
7.....		1			3	1	95	24	128	35	163
8.....	2				5	5	151	44	202	72	274
9.....	2	1			3	8	146	195	188	308	496
10.....					6	6	135	77	173	125	298
11.....		3			11	13	113	15	204	219	423
12.....					3	5	25	79	37	127	164
13.....					3	6	52	21	69	44	113
14.....	1	2			7		177	56	225	78	303
15.....	5				1	4	126	34	167	56	223
16.....					8	3	47	21	68	42	110
17.....	1		1		7		141	38	193	60	253
18.....					3	2	102	19	134	29	163
19.....					1	2	27	19	38	27	65
20.....		1			2	2	31	21	45	35	80
21.....					1	8	17	13	27	40	67
22.....		1			1	2	1	13	2	28	30
23.....					1	2	2	3	3	5	8
24.....	1				3	1	5	3	12	5	17
25.....	1				3	3	23	33	50	45	95
26.....					5	1	192	69	245	94	339
27.....	1		1		1	32	45	43	58	99	157
28.....					1	3	5	3	6	9	15
29.....					1		14		18		18
30.....	1				1		28	18	36	29	65
31.....					1	1	22	3	32	4	36
32.....	1				2		30		42	2	44
33.....		1			2	1	57	22	76	32	108
34.....		4				7	12	94	13	127	140
35.....					4	5	94	48	110	78	188
36.....					2	2	132	17	162	27	189
37.....					1		77	7	83	8	91
38.....						21	1	26	2	28	56
39.....					1		8	3	13	4	17
40.....						1	11	5	16	9	25
41.....							48		70	6	76
42.....							7	1	10	1	11
43.....	1						56	2	63	2	65
44.....					1		72	5	77	8	85
45.....							9	11	9	14	23
46.....	1						18	8	21	13	34
47.....							20	3	22	3	25
48.....					3	2	63	31	80	51	131
49.....					3		20	17	27	24	51
50.....		1			6	3	122	17	152	35	187
51.....					2		10	1	15	2	17
52.....							3		3		3
53.....							2	2	4	4	8
Total.....	20	22	1	1	109	116	3,073	1,662	3,918	2,587	6,505

TABLE 7a.—Populations, deaths (stillbirths excluded), and death rates per 1,000 during the calendar year 1915, arranged as to race and with reference to the vital statistics divisions of the District of Columbia.

Statistical districts.	White.			Colored.			Total.		
	Popula- tion.	Deaths.	Death rates.	Popula- tion.	Deaths.	Death rates.	Popula- tion.	Deaths.	Death rates.
1.....	11,209	144	12.85	5,873	104	17.71	17,082	248	14.51
2.....	5,402	81	14.99	3,926	88	22.41	9,328	169	18.12
3.....	6,898	129	19.26	3,402	71	20.87	10,300	200	19.80
4.....	785	13	16.56	1,553	36	23.18	3,338	49	14.68
5.....	6,731	120	17.83	11,525	230	19.96	18,256	350	19.17
6.....	14,109	198	14.03	2,903	65	22.39	17,012	263	15.46
7.....	6,368	128	20.10	361	35	96.95	6,729	163	24.22
8.....	12,287	202	16.44	2,075	72	34.70	14,362	274	19.08
9.....	10,635	188	17.68	11,528	308	26.72	22,163	496	22.33
10.....	10,919	173	15.84	3,328	125	37.56	14,247	298	20.92
11.....	1,362	15	11.01	5,990	204	34.06	7,352	219	29.79
12.....	2,131	37	17.36	4,286	127	29.63	6,417	164	25.56
13.....	4,900	69	14.08	1,282	44	34.32	6,182	113	18.28
14.....	14,262	225	15.78	2,297	78	33.96	16,559	303	18.30
15.....	9,663	167	17.28	2,307	56	24.27	11,970	223	18.63
16.....	5,339	68	12.74	2,511	42	16.73	7,850	110	14.01
17.....	17,502	193	13.31	2,321	60	25.85	16,823	253	15.04
18.....	10,379	134	12.91	1,473	29	19.69	11,852	163	13.75
19.....	3,557	38	10.68	985	27	27.41	4,542	65	14.31
20.....	3,511	45	12.82	1,314	35	26.64	4,825	80	16.55
21.....	908	13	14.32	2,034	27	13.27	2,942	40	13.59
22.....	158	2	12.66	842	28	33.25	1,000	30	30.00
23.....	536	3	5.60	169	5	29.59	705	8	11.35
24.....	1,516	12	7.92	118	5	42.37	1,634	17	10.40
25.....	3,314	50	15.09	1,179	45	38.17	4,493	95	21.14
26.....	2,645	245	9.26	720	94	130.55	3,365	339	10.07
27.....	2,739	43	15.70	2,482	56	22.56	5,221	99	18.96
28.....	493	3	6.09	236	6	25.42	729	9	11.32
29.....	1,475	18	12.20	0	0	0	1,475	18	12.20
30.....	2,339	36	15.39	1,092	29	26.56	3,431	65	18.94
31.....	4,319	32	7.41	155	4	25.81	4,474	36	8.05
32.....	4,648	42	9.04	182	2	10.99	4,830	44	9.11
33.....	7,532	76	10.09	2,259	32	14.17	9,791	108	11.03
34.....	1,479	13	8.79	3,092	127	41.07	4,571	140	30.62
35.....	9,125	110	12.05	3,639	78	21.43	12,764	188	14.73
36.....	14,073	162	11.51	1,375	27	19.64	15,448	189	12.23
37.....	2,283	83	36.36	194	8	41.24	2,477	91	36.74
38.....	3,250	26	8.00	19	2	105.36	3,269	28	8.57
39.....	1,428	13	9.10	131	4	30.53	1,559	17	10.90
40.....	1,597	16	10.02	209	9	43.06	1,806	25	13.84
41.....	3,067	70	22.82	357	6	16.81	3,424	76	22.20
42.....	1,085	10	9.22	222	1	4.50	1,307	11	8.42
43.....	5,094	63	12.37	316	2	6.33	5,410	65	12.01
44.....	6,462	77	11.92	752	8	10.64	7,214	85	11.78
45.....	1,586	9	5.67	769	14	18.21	2,355	23	9.77
46.....	2,856	21	7.35	654	13	19.88	3,510	34	9.69
47.....	2,980	22	7.38	367	3	8.17	3,347	25	7.47
48.....	5,227	80	15.31	2,164	51	23.26	7,391	131	17.72
49.....	1,172	27	23.04	532	24	45.11	1,704	51	29.93
50.....	6,570	152	23.14	921	35	38.00	7,491	187	24.96
51.....	1,220	15	12.30	221	2	9.05	1,441	17	11.80
52.....	216	3	13.89	49	0	0	265	3	11.32
53.....	799	4	5.01	118	4	33.90	917	8	8.73
Total.....	258,940	3,918	15.13	98,809	2,587	26.18	357,749	6,505	18.18

TABLE 7b.—*Distribution of population and of deaths (stillbirths excluded), and showing death rates, arranged according to race, and according to streets and alleys and vital statistics districts, during the calendar year 1915.*

Statistical districts.	White.						Colored.					
	Streets.			Alleys.			Streets.			Alleys.		
	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.	Population.	Deaths.	Death rates.
1.....	11,168	144	12.89	41			5,665	97	17.12	208	7	33.65
2.....	5,340	79	14.79	62	2	32.25	3,337	79	23.67	589	9	15.28
3.....	6,694	129	19.27	4			2,883	56	19.42	519	15	28.90
4.....	785	13	16.36	0			1,457	36	24.70	96		
5.....	6,724	120	17.84	7			10,944	210	19.18	581	20	34.42
6.....	14,104	198	14.03	5			2,502	52	20.78	401	13	32.41
7.....	6,357	128	20.13	11			361	35	96.95	0		
8.....	12,183	202	16.58	104			1,320	51	38.63	755	21	27.81
9.....	10,610	188	17.71	25			9,809	245	24.97	1,719	63	36.64
10.....	10,692	172	16.08	227	1	4.40	2,745	97	35.33	583	28	48.02
11.....	1,301	14	10.76	61	1	16.39	5,284	171	32.36	706	33	46.74
12.....	2,123	37	17.42	8			3,946	123	31.17	340	4	11.76
13.....	4,900	69	14.08	0			1,259	44	34.94	23		
14.....	14,048	224	15.94	214	1	4.67	1,836	61	33.22	461	17	36.87
15.....	9,636	167	17.33	27			1,830	48	26.22	477	8	16.77
16.....	5,213	68	12.79	26			2,308	42	18.19	203		
17.....	14,488	193	13.32	14			2,152	54	25.09	169	6	35.50
18.....	10,379	134	12.91				1,193	27	22.63	280	2	7.14
19.....	3,557	38	11.66				960	27	28.12	25		
20.....	3,511	45	12.81				1,258	35	27.82	56		
21.....	908	13	14.31				2,034	27	13.27			
22.....	158	2	12.65				842	28	33.25			
23.....	536	3	5.59				169	5	29.58			
24.....	1,516	12	7.91				118	5	42.36			
25.....	3,314	50	15.08				1,179	45	38.16			
26.....	2,645	245	92.62				720	94	130.55			
27.....	2,739	43	15.69				2,482	56	22.56			
28.....	493	3	6.08				236	6	25.42			
29.....	1,475	18	12.20				0	0				
30.....	2,339	36	15.39				1,092	29	26.55			
31.....	4,319	32	7.40				155	4	25.80			
32.....	4,648	42	9.03				182	2	10.98			
33.....	7,532	76	10.09				2,259	32	14.16			
34.....	1,479	13	8.78				2,926	125	42.72	166	2	12.01
35.....	9,125	110	12.05				3,616	78	21.57	23		
36.....	14,073	162	10.99				1,375	26	18.90	0	1	
37.....	2,283	83	36.35				194	8	41.23			
38.....	3,250	26	8.00				19	2	105.26			
39.....	1,428	13	9.10				131	4	30.53			
40.....	1,597	16	10.01				209	9	43.06			
41.....	3,067	70	22.82				357	6	16.80			
42.....	1,085	10	9.21				222	1	4.50			
43.....	5,694	63	12.36				316	2	6.32			
44.....	6,402	77	11.91				752	8	10.63			
45.....	1,886	9	5.67				717	14	19.52	52		
46.....	2,856	21	7.35				654	13	19.87			
47.....	2,980	22	7.38				367	3	8.17			
48.....	5,225	80	15.31	2			2,063	49	23.75	101	2	19.80
49.....	1,134	26	22.92	38	1	26.31	464	21	45.25	68	3	44.11
50.....	6,558	152	23.17	12			884	34	38.46	37	1	27.02
51.....	1,220	15	12.29				221	2	9.04			
52.....	216	3	13.88				49					
53.....	799	4	5.00				118	4	33.89			
Total...	258,052	3,912	15.15	888	6	6.75	90,171	2,332	25.86	8,638	255	29.52

¹ No population enumerated in October. This death occurred in March.

TABLE 7c.—*Relative prevalence of certain diseases among the street and alley populations in the District of Columbia since the calendar year 1905.*

WHITE.

Year.	Population.		Diphtheria.				Scarlet fever.				Typhoid fever.			
			Deaths.		Death rates.		Deaths.		Death rates.		Deaths.		Death rates.	
	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.
1905.....	1,739	225,689	2	29	115.0	12.8	.....	7	.....	3.1	1	90	57.5	39.8
1906.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907.....	1,475	231,928	23	.....	.....	.....	2	.....	.....	.9	1	76	67.8	32.8
1908.....	1,618	240,302	15	.....	.....	6.2	.....	8	.....	3.3	.....	88	.....	36.6
1909.....	1,608	244,253	30	.....	.....	12.3	.....	21	.....	8.5	.....	67	.....	34.9
1910 ¹	1,455	247,206	26	.....	.....	10.5	.....	8	.....	3.2	.....	49	.....	19.8
1911 ¹	1,302	250,158	16	.....	.....	6.4	.....	4	.....	1.6	.....	46	.....	18.4
1912.....	1,149	253,111	15	.....	.....	5.9	.....	4	.....	1.6	.....	49	.....	19.3
1913.....	994	254,159	22	.....	.....	8.7	.....	13	.....	5.1	1	34	100.6	13.4
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	888	258,052	1	21	103.0	8.1	.....	7	.....	2.7	.....	20	.....	7.8

COLORED.

1905.....	16,659	79,036	2	13	12.04	16.4	2	2	12.0	2.5	7	44	42.0	55.7
1906.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907.....	14,864	81,324	1	6	6.7	7.4	.....	.....	.....	.....	3	34	20.2	41.8
1908.....	14,217	83,266	1	6	7.0	7.2	.....	1	.....	1.2	3	33	21.0	39.6
1909.....	13,682	83,460	3	10	21.9	12.0	.....	5	.....	6.0	4	43	29.2	51.5
1910 ¹	13,086	84,567	3	.....	.....	3.5	.....	3	.....	3.5	3	29	22.9	34.3
1911 ¹	12,490	85,675	3	.....	.....	3.5	.....	3	.....	.....	3	25	24.0	29.2
1912.....	11,894	86,782	.....	.....	.....	.....	.....	.....	.....	.....	3	26	25.2	29.9
1913.....	10,328	87,816	4	.....	.....	4.5	.....	1	.....	1.1	1	21	9.7	23.9
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	8,638	90,171	7	.....	.....	7.8	.....	1	.....	1.1	.....	22	.....	24.4

TABLE 7c.—*Relative prevalence of certain diseases among the street and alley populations in the District of Columbia since the calendar year 1905—Continued.*

WHITE.

Year.	Population.		Whooping cough.				Diarrhea (under 2 years).			
			Deaths.		Death rates.		Deaths.		Death rates.	
	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.
1905.....	1,739	225,689	.....	27	.....	11.9	2	124	115.0	54.9
1906.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907.....	1,475	231,928	1	14	67.8	6.0	6	121	408.8	77.6
1908.....	1,618	240,302	.....	9	.....	3.7	4	154	247.2	64.1
1909.....	1,608	244,253	1	13	62.2	5.3	1	90	62.2	36.8
1910 ¹	1,455	247,206	.....	9	.....	3.6	.....	120	.....	48.5
1911 ¹	1,302	250,158	.....	15	.....	6.0	3	121	230.4	48.4
1912.....	1,149	253,111	1	19	87.0	7.5	2	75	174.0	29.6
1913.....	994	254,159	1	2	100.6	.8	.....	85	.....	33.4
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	888	258,052	1	8	103.0	3.1	.....	71	.....	27.5

COLORED.

1905.....	16,659	79,036	18	28	108.0	35.4	57	154	342.2	194.8
1906.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1907.....	14,864	81,324	1	17	6.7	20.9	40	158	269.1	218.9
1908.....	14,217	83,266	6	23	42.2	27.6	44	131	309.4	157.3
1909.....	13,682	83,460	3	13	21.9	15.6	44	115	321.6	137.8
1910 ¹	13,086	84,567	6	20	45.9	23.6	44	136	336.2	160.8
1911 ¹	12,490	85,675	2	11	16.0	12.8	19	114	152.1	133.1
1912.....	11,894	86,782	7	37	38.8	46.2	15	95	128.1	108.4
1913.....	10,328	87,816	2	12	19.4	13.7	12	111	116.2	126.4
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	8,638	90,171	.....	10	.....	11.1	10	86	115.8	95.4

¹ Population by alleys and streets estimated for 1910 and 1911.

TABLE 7c.—Relative prevalence of certain diseases among the street and alley populations in the District of Columbia since the calendar year 1905—Continued.

Year.	Population.		Pneumonia.				Bronchitis.			
			Deaths.		Death rates.		Deaths.		Death rates.	
	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.
1905.....	1,739	225,689	1	225	57.5	99.7	.....	49	.....	21.7
1906.....	1,475	231,928	4	227	271.2	97.9	.....	59	.....	25.4
1907.....	1,618	240,302	2	228	123.6	94.9	1	56	61.8	21.3
1908.....	1,608	244,253	5	288	310.9	117.9	1	52	82.2	33.2
1909.....	1,455	247,206	4	278	274.9	112.5	1	82	68.7	19.6
1910 ¹	1,302	250,158	.....	278	111.1	.....	.....	49	.....	19.8
1911 ¹	1,149	253,111	1	250	87.0	98.8	.....	50	.....	22.8
1912.....	994	254,159	2	205	201.2	80.6	.....	58	.....	20.2
1913.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	888	258,052	.....	333	.....	129.0	.....	52	.....	.....

COLORED.

1905.....	16,659	79,036	56	248	336.1	313.7	16	75	96.0	94.9
1906.....	14,864	81,324	63	245	423.8	301.3	16	72	107.6	88.5
1907.....	14,217	83,266	60	215	422.0	258.2	12	55	84.4	66.1
1908.....	13,682	83,460	60	245	432.8	290.3	11	47	79.3	56.3
1909.....	13,086	84,567	70	255	534.9	301.5	12	43	91.7	50.8
1910 ¹	12,490	85,675	47	263	376.3	206.9	3	35	24.0	46.9
1911 ¹	11,894	86,782	33	241	277.5	277.7	8	37	87.2	42.6
1912.....	10,328	87,816	45	232	435.7	264.2	5	36	48.4	40.9
1913.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914.....	8,638	90,171	32	306	370.4	339.4	4	31	46.3	34.4
1915.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE 7c.—Relative prevalence of certain diseases among the street and alley populations in the District of Columbia since the calendar year 1905—Continued.

WHITE.

Year.	Population.		Pulmonary congestion.				Pulmonary tuberculosis.			
			Deaths.		Death rates.		Deaths.		Death rates.	
	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.	Alleys.	Streets.
1905.....	1,739	225,689	.....	17	.....	7.5	1	352	57.5	115.9
1906.....	1,475	231,928	.....	26	.....	15.9	3	317	203.4	136.7
1907.....	1,618	240,302	.....	26	.....	10.8	1	300	61.8	124.8
1908.....	1,608	244,253	.....	30	.....	12.3	3	296	188.5	121.2
1909.....	1,455	247,206	.....	24	.....	9.7	3	317	206.2	128.2
1910 ¹	1,302	250,158	.....	19	.....	7.6	1	326	76.8	130.3
1911 ¹	1,149	253,111	.....	22	.....	8.7	2	303	174.0	119.7
1912.....	994	254,159	.....	9	.....	3.5	2	314	201.2	123.5
1913.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1915.....	888	258,052	.....	.....	.....	.....	.....	296	.....	114.7

COLORED.

1905.....	16,659	79,036	6	17	39.0	21.5	94	379	594.3	479.4
1906.....	14,864	81,324	1	15	6.7	18.4	85	343	571.9	421.8
1907.....	14,217	83,266	2	15	14.1	18.0	91	319	640.1	383.1
1908.....	13,682	83,460	2	8	14.6	9.6	85	362	621.3	433.7
1909.....	13,086	84,567	3	3	22.9	3.5	90	353	687.8	417.4
1910 ¹	12,490	85,675	3	8	24.0	9.3	53	344	424.3	401.5
1911 ¹	11,894	86,782	.....	9	.....	10.4	79	341	664.2	392.9
1912.....	10,328	87,816	17	12	164.6	136.6	52	309	503.5	351.9
1913.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1914.....	8,638	90,171	.....	.....	.....	.....	56	346	648.3	383.7
1915.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Population by alleys and streets estimated for 1910 and 1911.

TABLE 8.—*Places of interment or other disposition of remains in the District of Columbia during the calendar year 1915.*

Places of interment.	Persons dying in the District of Columbia.			Persons brought into the District of Columbia.		
	White.	Colored.	Total.	White.	Colored.	Total.
Adas Israel.....	19		19	1		1
Above Shalom.....	15		15	1		1
Arlington National.....	259	44	303	31	2	33
Anatomical Board.....	14	82	96			
Baptist (Union Burial Society).....		83	83			
Congressional.....	546		546	60		60
Elesaretgrad.....	7		7	1		1
Georgetown College.....	5		5			
Glenwood.....	424	1	425	75	1	76
Government Hospital for the Insane.....	50	30	80			
Harmony.....		505	505		45	45
Holy Rood.....	78	14	92	7	3	10
Lee's Crematorium.....	53		53	14		14
Macedonia.....		5	5		1	1
Methodist.....	19		19			
Moore's.....	1	103	104		5	5
Mount Olivet.....	601	174	775	56	18	74
Mount Zion.....	4	150	154		8	8
Municipal Crematory.....	88	209	297	1		1
National Capital, Hebrew.....	15		15	1		1
National Soldiers' Home.....	76	8	84	4		4
Oak Hill.....	124		124	44		44
Out of town.....	943	381	1,324	35	13	48
Payne's.....	1	462	463		20	20
Prospect Hill.....	119		119	13		13
Rock Creek.....	349		349	93		93
St. Mary's.....	63		63	4		4
Springland, Pierce Mill Road.....	1		1			
Talmud Torah.....	10		10	5		5
Washington Hebrew.....	23		23	1	21	22
Woodlawn.....	11	336	347			
Total.....	3,918	2,587	6,505	447	137	584

TABLE 9.—*Estimated population, deaths, and death rate in the District of Columbia, by race and calendar years, from 1896 to 1915.*

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ¹	194,517	89,272	283,789	3,288	2,573	5,811	16.65	28.82	20.48
1901-1905 ¹	217,606	93,719	311,325	3,395	2,647	6,042	15.60	28.20	19.41
1906-1910 ¹	240,244	96,696	336,940	3,626	2,678	6,304	15.09	27.69	18.71
1911.....	251,409	98,159	349,568	3,739	2,564	6,303	14.87	26.12	18.03
1912.....	254,260	98,676	352,936	3,606	2,653	6,259	14.18	26.89	17.73
1913.....	255,153	98,144	353,297	3,568	2,438	6,006	13.98	24.84	16.99
1914.....	256,049	97,615	353,664	3,493	2,373	5,866	13.64	24.31	16.59
1915.....	258,940	98,809	357,749	3,918	2,587	6,505	15.13	26.18	18.18

¹Annual average for 5-year period.

TABLE 10.—Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years.

Calendar year.	January.						February.						March.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ¹	24	19	43	27	23	50	24	17	41	25	23	48	26	16	42	31	25	56
1901-1905 ¹	21	16	37	30	22	52	21	18	39	28	21	49	26	16	42	22	18	40
1906-1910 ¹	19	15	34	22	19	41	21	15	36	21	18	39	25	19	44	30	21	51
1911.....	18	17	35	21	16	37	14	9	23	22	16	38	15	18	33	12	12	24
1912.....	18	20	38	20	17	37	22	12	34	11	17	28	30	17	47	12	17	49
1913.....	20	13	33	14	22	36	21	14	35	20	16	36	19	11	30	21	15	36
1914.....	11	11	22	15	10	25	15	14	29	25	18	43	21	20	41	13	12	25
1915.....	12	7	19	16	9	25	17	17	34	17	8	25	20	8	28	32	16	48

Calendar year.	April.						May.						June.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ¹	18	14	32	24	24	48	20	13	33	24	21	45	41	29	70	49	46	115
1901-1905 ¹	17	14	31	23	18	41	18	13	31	16	19	35	30	19	49	44	30	74
1906-1910 ¹	20	15	35	19	19	38	16	13	29	19	15	34	24	21	45	39	32	71
1911.....	22	16	38	15	15	30	23	10	33	17	12	29	14	13	27	18	7	25
1912.....	25	13	38	25	22	47	12	9	21	15	15	30	20	6	26	22	18	40
1913.....	16	14	30	14	12	26	14	8	22	14	9	23	18	17	35	35	19	54
1914.....	16	7	23	11	15	26	9	9	18	20	11	31	11	7	18	17	12	29
1915.....	17	15	32	15	12	27	17	17	34	17	9	26	11	9	20	16	10	26

Calendar year.	July.						August.						September.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ¹	54	46	100	60	58	118	35	28	63	44	31	75	24	26	50	36	32	68
1901-1905 ¹	52	40	92	56	55	111	33	22	55	39	35	74	22	19	41	25	23	48
1906-1910 ¹	47	33	80	46	45	91	36	29	65	32	29	61	27	19	46	24	21	45
1911.....	50	39	89	34	44	78	40	27	67	27	30	57	17	22	39	24	15	39
1912.....	33	18	51	32	35	67	22	18	40	32	22	54	27	11	38	18	19	37
1913.....	33	24	57	26	24	50	18	13	31	22	12	34	19	16	35	21	21	42
1914.....	21	14	35	22	16	38	23	13	36	22	18	40	20	19	39	20	11	31
1915.....	20	14	34	18	12	30	24	18	42	19	18	37	31	16	47	21	24	45

Calendar year.	October.						November.						December.					
	White.			Colored.			White.			Colored.			White.			Colored.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1896-1900 ¹	25	21	46	26	20	46	20	18	38	22	18	40	21	15	36	27	18	45
1901-1905 ¹	22	17	39	27	20	47	19	14	33	18	15	33	15	12	27	24	22	46
1906-1910 ¹	21	17	38	25	18	43	20	14	34	20	20	40	21	13	34	22	16	38
1911.....	18	19	37	26	18	44	22	10	32	17	20	37	23	14	37	13	16	29
1912.....	19	11	30	21	20	41	21	14	35	17	13	30	16	13	29	20	12	32
1913.....	15	13	28	15	13	28	13	17	30	14	20	34	22	12	34	16	13	29
1914.....	9	16	25	16	12	28	18	11	29	20	9	29	17	11	28	11	16	27
1915.....	28	18	46	14	17	31	15	13	28	19	16	35	24	10	34	15	10	25

TABLE 10.—Deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years—Continued.

SUMMARY.

Calendar year.	White.		Colored.		Grand total.		
	Male.	Female.	Male.	Female.	White.	Colored.	Total.
1896-1900 ¹	334	260	393	339	594	732	1,326
1901-1905 ¹	297	218	353	297	515	650	1,165
1906-1910 ¹	297	225	319	273	522	592	1,114
1911.....	276	214	246	221	490	467	957
1912.....	265	162	245	227	427	272	899
1913.....	228	172	232	196	400	428	828
1914.....	191	152	212	160	343	372	715
1915.....	236	162	219	161	398	380	778

¹ Annual average for 5-year period.

TABLE 11.—Deaths in the District of Columbia, by race, under 5 years of age.

Calendar year.	White.	Colored.	Total.
1896-1900 ¹	816	1,031	1,847
1901-1905 ¹	687	896	1,583
1906-1910 ¹	685	792	1,477
1911.....	643	659	1,302
1912.....	536	644	1,180
1913.....	550	580	1,130
1914.....	438	492	930
1915.....	506	513	1,019

¹ Annual average for 5-year period.

TABLE 12.—Births, decedents under 1 year, and death rates based on reported births, for the years during and since the calendar year 1896.

Years.	White.			Colored.			All.		
	Births.	Deaths under 1 year.	Deaths per 1,000 reported births.	Births.	Deaths under 1 year.	Deaths per 1,000 reported births.	Births.	Deaths under 1 year.	Deaths per 1,000 reported births.
1896-1900 ¹	2,798	594	212	1,871	732	391	4,669	1,326	283
1901-1905 ¹	3,429	515	150	1,980	650	328	5,409	1,165	215
1906-1910 ¹	4,632	522	113	2,268	592	261	6,900	1,114	161
1911.....	4,772	490	103	2,260	467	207	7,032	957	136
1912.....	4,734	427	90	2,273	472	208	7,007	899	128
1913.....	4,667	400	86	2,236	428	191	6,903	828	120
1914.....	4,925	343	70	2,205	372	169	7,130	715	100
1915.....	4,872	398	82	2,195	380	173	7,067	778	110

¹ Annual average for 5-year period.

TABLE 12a.—Deaths of infants in the District of Columbia under 1 year of age, stillbirths and live births, during the calendar year 1915, arranged by race and according to statistical districts.

Districts.	Registered live births.			Deaths under 1 year.			Infant death rate based on registered births.			Stillbirths.				Percentage of stillbirths to total live and stillbirths of the same class.		
	White.	Colored.	All.	White.	Colored.	All.	White.	Colored.	All.	White.	Colored.	All.	Un- known.	White.	Colored.	All.
1.....	153	93	246	9	11	20	58.8	118.3	81.3	6	13	21	2	3.77	12.26	7.86
2.....	102	137	239	11	12	23	107.8	187.6	96.2	4	11	17	1	3.77	11.04	8.43
3.....	99	71	170	29	11	40	292.9	134.9	233.5	4	11	17	2	3.88	13.41	9.09
4.....	15	28	43	6	6	6	.....	214.3	139.5	2	12	2	2	6.25	6.67	10.42
5.....	112	207	319	23	38	61	205.4	183.3	178.2	6	12	23	2	1.75	8.41	6.73
6.....	183	60	243	11	8	19	60.1	125.3	68.0	3	9	17	2	3.17	13.04	6.54
7.....	92	14	106	6	11	17	65.2	215.7	103.4	3	2	24	2	3.16	12.50	6.19
8.....	281	51	332	24	11	35	65.4	175.2	119.0	12	32	45	4	4.26	15.00	6.74
9.....	270	234	504	19	41	30	70.0	226.2	112.5	9	6	16	1	3.67	6.67	4.76
10.....	236	84	320	17	39	30	32.7	411.8	241.9	2	11	13	3	1.16	8.80	6.13
11.....	56	168	224	12	26	38	117.6	210.5	170.9	1	11	16	1	2.73	5.00	3.97
12.....	105	134	239	18	13	31	74.8	263.2	124.1	3	2	15	1	3.58	5.88	4.18
13.....	296	48	344	17	17	28	57.4	229.2	81.4	11	7	18	1	4.02	6.90	5.15
14.....	152	65	217	14	12	26	78.9	184.6	119.8	3	5	24	1	1.94	7.14	9.96
15.....	319	57	376	31	4	35	97.2	264.7	109.6	5	3	8	1	2.51	11.11	4.39
16.....	194	34	228	16	9	25	82.5	208.3	91.7	2	3	5	2	2.04	8.11	3.00
17.....	96	24	120	6	5	11	62.5	208.3	91.7	5	3	8	2	5.38	9.68	7.09
18.....	88	56	144	11	6	17	125.0	107.1	118.1	5	3	11	3	3.00	13.99	8.52
19.....	15	16	31	2	4	6	133.3	250.0	193.5	.....	3	3	3	3.00	6.82	5.77
20.....	8	41	49	1	5	6	125.0	121.9	454.5	1	3	1	1	10.00	.....	8.33
21.....	9	2	11	2	3	5	222.2	.....	454.5	1	.....	1	.....	1.86	.....	3.21
22.....	33	4	37	2	2	4	60.6	500.0	125.8	2	3	5	.....	5.88	.....	3.45
23.....	104	47	151	10	9	19	96.2	191.2	125.8	2	3	5	.....	5.88	.....	3.45
24.....	3	2	5	2	5	7	62.5	208.3	125.0	2	.....	2	.....	.....	.....	.....
25.....	32	24	56	2	1	3	52.6	142.9	76.9	.....	.....	.....	.....	.....	.....	.....
26.....	19	7	26	1	1	2	52.6	142.9	76.9	.....	.....	.....	.....	.....	.....	.....
27.....	28	9	37	2	2	4	222.2	0.0	181.8	3	2	5	.....	6.38	6.06	7.41
28.....	44	31	75	5	7	12	113.6	225.8	160.9	2	.....	2	1	.....	.....	.....
29.....	31	7	38	5	5	10	67.6	125.0	111.5	3	.....	3	.....	3.66	.....	2.41
30.....	74	87	161	1	1	2	64.9	160.6	63.8	.....	.....	.....	.....	.....	.....	.....
31.....	108	33	141	7	2	9	0.0	165.4	134.1	.....	25	1	.....	.....	2.94	7.04
32.....	133	133	266	22	22	24	51.4	194.8	90.2	.....	.....	25	.....	.....	15.82	13.23
33.....	171	91	262	9	15	24	55.3	243.2	82.7	5	1	16	1	3.31	9.00	5.67
34.....	217	37	254	12	9	21	.....	.....	.....	6	.....	6	.....	2.25	2.63	2.31
35.....	5	5	10	.....	.....	.....	.....	.....	.....	2	.....	2	.....	28.57	.....	28.57

38	66	2	68	4	1	5	60.6	500.0	73.5	1	1	1	1	1.49	16.67	1.45
39	39	5	44	1	1	1	23.8	200.0	22.7	1	1	1	1	2.33	16.67	2.22
40	42	8	50	1	2	3	52.6	250.0	60.0	1	1	1	1	2.33	.00	1.96
41	57	2	59	3	1	3	66.7	50.0	50.8	3	1	4	4	5.00	.00	6.35
42	15	5	20	1	1	1	47.6	100.0	47.1	2	1	2	2	2.33	2.30	2.30
43	84	1	85	4	2	4	27.4	100.0	43.0	3	2	6	6	3.95	3.95	3.95
44	73	20	93	2	2	4	31.3	69.0	43.2	2	3	3	3	3.95	3.95	3.95
45	32	29	61	1	2	3	16.9	100.0	14.7	2	1	3	3	3.95	3.95	3.95
46	59	9	38	1	1	1	109.6	133.3	116.5	3	6	12	12	3.95	16.67	10.43
47	72	30	103	6	4	12	240.0	307.7	263.2	1	1	12	12	3.85	7.14	5.00
48	73	13	38	6	4	10	129.2	147.1	132.1	7	3	10	10	3.78	8.11	4.50
49	25	13	212	23	5	28	166.7	142.9	142.9	1	1	1	1	3.45	20.00	3.45
50	178	34	28	4	4	4	166.7	142.9	142.9	1	1	1	1	3.45	20.00	3.45
51	24	4	28	4	4	4	166.7	142.9	142.9	1	1	1	1	3.45	20.00	3.45
52	5	5	5	5	5	5	166.7	142.9	142.9	1	1	1	1	3.45	20.00	3.45
53	11	2	13	1	1	1	166.7	142.9	142.9	1	1	1	1	3.45	20.00	3.45
Total	4,872	2,195	7,067	398	380	778	81.7	173.1	110.1	155	235	50	440	3.08	9.67	5.86

114 found in sewage pumping station.

TABLE 13.—Deaths, stillbirths excluded, and death rates in the District of Columbia, by race and by months, from 1896 to 1915, inclusive.

Calendar year.	January.					February.					March.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1896-1900 ¹ . . .	235	152	206	231	176	274	141	207	232	169	291	149	221	247	180
1901-1905 ¹ . . .	323	148	251	268	184	307	141	223	243	171	332	152	226	241	179
1906-1910 ¹ . . .	338	140	237	245	170	325	135	224	231	163	343	142	257	264	178
1911	355	141	230	234	167	323	128	212	215	153	370	147	215	219	167
1912	365	144	229	232	168	356	140	211	214	160	358	141	248	251	171
1913	311	122	226	230	152	345	135	222	226	160	340	133	216	220	157
1914	353	138	208	213	159	310	121	219	224	150	368	144	245	251	173
1915	335	129	228	231	157	367	142	219	222	164	432	167	276	279	198

Calendar year.	April.					May.					June.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1896-1900 ¹ . . .	258	133	210	235	165	232	119	188	210	148	249	128	231	258	169
1901-1905 ¹ . . .	287	132	217	231	162	251	115	201	214	145	253	116	231	246	155
1906-1910 ¹ . . .	314	131	228	235	161	282	117	206	213	145	280	116	223	230	149
1911	330	131	221	225	158	301	119	205	208	145	261	103	176	179	125
1912	324	127	231	234	157	257	101	232	235	138	254	100	192	195	126
1913	321	126	209	213	150	306	120	190	203	143	287	112	210	214	140
1914	296	116	233	239	150	297	116	179	183	135	247	96	182	186	121
1915	364	140	239	242	168	283	109	195	197	134	254	98	206	208	129

Calendar year.	July.					August.					September.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1896-1900 ¹ . . .	347	178	248	278	210	267	137	231	258	175	237	122	214	240	159
1901-1905 ¹ . . .	314	144	282	300	191	253	116	227	242	154	237	109	186	198	136
1906-1910 ¹ . . .	322	134	268	277	175	267	111	216	223	143	264	110	194	201	136
1911	366	142	252	257	177	265	105	210	214	137	255	101	190	193	127
1912	270	106	254	257	148	284	112	233	236	146	235	92	185	187	118
1913	303	119	218	222	147	245	96	177	180	119	262	103	178	181	125
1914	260	102	191	196	128	239	93	190	195	121	258	101	186	191	126
1915	300	116	189	191	137	257	99	215	218	132	294	114	198	200	138

TABLE 13.—Deaths, stillbirths excluded, and death rates in the District of Columbia, by race and by months, from 1896 to 1915, inclusive—Continued.

Calendar year.	October.					November.					December.				
	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.	White.		Colored.		rate per 100,000 total population.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	
1896-1900 ¹ . . .	262	135	199	223	162	258	133	178	199	154	288	148	201	225	172
1901-1905 ¹ . . .	270	124	198	211	150	271	125	185	197	146	297	136	217	231	165
1906-1910 ¹ . . .	278	116	205	212	143	280	117	196	203	141	334	139	224	232	166
1911	301	119	237	241	154	294	117	211	215	144	318	126	205	209	150
1912	294	116	229	232	148	278	109	202	205	136	331	130	207	210	152
1913	260	102	189	192	127	287	112	211	215	141	301	118	183	187	137
1914	246	96	179	183	120	306	120	183	187	138	313	122	178	182	139
1915	308	119	200	202	142	337	130	196	198	149	387	149	226	239	171

¹ Annual average for 5-year period.

TABLE 14.—Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below.

Year.	1 Aneurism.						2 Angina pectoris.						3 Apoplexy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	4	3	7	2.0	3.4	2.5	15	3	18	7.7	3.4	6.3	154	91	245	79.2	101.9	86.3
1901-1905 ¹	4	3	7	1.8	3.2	2.2	18	4	22	8.3	4.3	7.1	177	91	268	81.3	97.1	86.8
1906-1910 ¹	6	7	13	2.5	7.2	3.8	15	4	19	6.2	4.1	5.6	216	111	327	90.0	114.8	97.8
1911.....	8	4	12	3.2	4.1	3.4	21	2	23	8.3	2.0	6.5	261	143	404	103.8	145.6	115.5
1912.....	8	9	17	3.1	9.1	4.8	19	8	27	7.5	8.1	7.6	265	134	399	104.2	135.8	113.1
1913.....	2	12	14	.8	12.2	4.0	15	5	20	5.9	5.1	5.6	251	134	385	98.3	136.5	108.9
1914.....	7	6	13	2.7	6.1	3.7	19	4	23	7.4	4.1	6.5	283	136	419	110.5	139.3	118.5
1915.....	9	9	18	3.5	9.1	5.0	25	5	30	9.6	5.1	8.4	306	151	457	118.1	152.8	127.7

Year.	4 Arteriosclerosis.						5 Bright's disease.						6 Cirrhosis of liver.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	3	1	4	1.5	1.1	1.5	176	98	274	90.5	109.8	96.9	18	7	25	9.3	7.8	8.8
1901-1905 ¹	29	6	35	13.3	6.4	11.2	233	127	360	107.1	135.5	115.6	27	7	34	12.4	7.5	10.9
1906-1910 ¹	71	13	84	29.5	13.4	24.9	283	159	442	117.8	164.5	131.2	33	10	43	13.7	10.3	12.8
1911.....	85	19	104	33.8	19.3	29.7	337	188	525	134.0	191.5	150.2	40	4	44	15.9	4.1	12.6
1912.....	82	23	105	32.2	23.3	29.7	322	182	504	126.5	184.5	142.8	33	6	39	13.0	6.1	11.0
1913.....	86	8	94	33.7	8.2	26.6	321	168	489	125.8	171.2	138.4	27	10	37	10.6	10.2	10.5
1914.....	116	27	143	45.3	27.7	40.4	363	225	588	141.7	230.5	166.2	30	11	41	11.7	11.3	11.6
1915.....	122	32	154	47.1	32.4	43.1	392	221	613	151.4	223.7	171.3	43	8	51	16.6	8.1	14.2

¹ Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	7 Diabetes.						8 Diarrhea and enteritis (under 2 years).						9 Diarrhea and enteritis (2 years and over).					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	14	2	16	7.2	2.2	5.6	126	197	323	57.9	210.2	103.8	56	26	82	25.7	27.7	26.3
1901-1905 ¹	27	4	31	12.4	4.3	9.9	128	177	305	53.3	183.1	90.5	50	22	72	20.8	22.7	21.4
1906-1910 ¹	37	4	41	15.4	4.1	12.2	124	133	257	49.3	135.5	73.5	50	20	70	19.9	20.4	20.0
1911.....	46	4	50	18.3	4.1	14.3	77	110	187	30.3	111.5	53.0	44	19	63	17.3	19.3	17.8
1912.....	40	5	45	15.7	5.1	12.8	85	123	208	33.3	125.4	58.9	45	23	68	17.6	23.4	19.2
1913.....	46	13	59	18.0	13.3	16.7	48	94	142	18.7	96.3	40.1	37	20	57	14.5	20.5	16.1
1914.....	58	6	64	22.6	6.1	18.1	71	96	167	27.4	97.1	46.7	38	20	58	14.7	20.2	16.2
1915.....	61	11	72	23.6	11.1	20.1												

Year.	10 Diphtheria.								
	Deaths.			Death rates per 100,000.			Cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	93	52	145	48.0	58.0	51.0	.....	.....	.....
1901-1905 ¹	37	17	54	17.0	18.0	17.0	.....	.....	.....
1906-1910 ¹	24	8	32	10.0	8.0	10.0	391	61	452
1911.....	16	3	19	6.0	3.0	5.0	428	90	518
1912.....	15	.....	15	6.0	0.0	4.0	308	85	393
1913.....	22	4	26	9.0	4.0	7.0	451	79	530
1914.....	24	7	31	9.0	7.0	9.0	367	85	452
1915.....	22	7	29	8.5	7.1	8.1	459	185	644

Year.	11 Diseases of the heart.						12 Dysentery.						13 Epilepsy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	250	189	439	128.5	211.7	154.7	18	13	31	9.3	14.6	10.9	16	10	26	8.2	11.2	9.2
1901-1905 ¹	277	216	493	127.3	230.5	158.4	13	10	23	6.0	10.7	7.4	14	10	24	6.4	10.7	7.7
1906-1910 ¹	332	236	568	138.3	244.1	168.6	7	9	16	2.9	9.3	4.7	13	9	22	5.4	9.3	6.5
1911.....	393	266	659	156.3	271.0	188.5	5	6	11	1.9	6.1	3.1	6	13	19	2.4	13.2	5.4
1912.....	474	312	786	186.4	316.2	222.7	5	4	9	2.0	4.1	2.5	10	13	22	3.9	13.1	6.5
1913.....	459	277	736	179.9	282.3	208.2	3	3	6	1.2	3.1	1.7	17	13	30	6.7	13.3	8.5
1914.....	430	227	657	167.9	232.6	185.8	4	1	5	1.6	1.0	1.4	10	10	20	3.9	10.3	5.6
1915.....	532	301	833	213.1	304.6	238.4	5	2	7	1.9	2.0	2.0	6	9	15	2.3	9.1	4.2

¹ Annual average for 5-year period.

TABLE 14.—Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.

Year.	14 Gastritis.						15 Grippe.						16 Insanity.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.
1896-1900 ¹	24	10	34	12.3	11.2	12.0	32	4	36	16.5	4.5	12.7	43	12	55	22.1	13.4	19.4
1901-1905 ¹	44	24	68	20.2	25.6	21.8	51	38	89	23.4	40.5	28.6	27	8	35	12.4	8.5	11.2
1906-1910 ¹	41	32	73	17.1	33.1	21.7	52	44	96	21.6	45.5	28.5	25	11	36	10.4	11.4	10.7
1911.....	34	34	68	13.5	34.6	19.5	41	26	67	16.3	26.5	19.1	34	15	49	13.5	15.3	14.0
1912.....	31	31	62	12.1	31.4	17.5	28	34	62	11.0	34.4	17.5	36	12	48	14.1	12.1	13.6
1913.....	23	33	56	9.0	33.6	15.8	30	19	49	11.8	19.4	13.8	40	20	60	15.6	20.4	17.0
1914.....	25	23	48	9.8	23.6	13.5	34	31	65	13.2	31.8	18.3	58	29	87	22.6	29.7	24.6
1915.....	13	26	39	5.0	26.3	10.9	70	44	114	27.0	44.5	31.9	39	32	71	15.1	32.3	19.8

Year.	17 Malarial fevers.						18 Malignant growths.						19 Meningitis, epidemic cerebrospinal.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.
1896-1900 ¹	30	16	46	15.4	17.9	16.2	120	54	174	61.7	60.5	61.3	16	16	32	8.2	17.9	11.3
1901-1905 ¹	12	11	23	5.5	11.7	7.4	166	52	218	76.3	55.5	70.0	6	4	10	2.8	4.3	3.2
1906-1910 ¹	5	6	11	2.1	6.2	3.2	212	64	276	88.3	66.2	81.9	9	7	16	3.7	7.2	4.7
1911.....	2	2	4	.8	2.0	1.1	245	71	286	85.5	72.3	81.8	4	4	8	1.5	4.0	1.2
1912.....	2	2	4	.8	2.0	1.1	245	78	323	96.3	79.1	91.5	4	4	8	1.6	4.0	1.1
1913.....	5	3	8	2.0	3.1	2.3	278	73	351	109.0	74.0	99.0	2	1	3	.8	1.0	.8
1914.....	3	3	6	1.2	3.1	.8	259	85	344	101.1	86.9	97.8	2	3	5	.8	3.1	1.4
1915.....	1	1	2	.4	1.0	.6	301	91	392	116.2	92.1	109.6	5	1	6	1.9	1.0	1.7

Year.	20 Measles.												21 Pneumonia, all forms.					
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.			Deaths.			Death rates per 100,000.		
	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.	W.	C.	To- tal.
1896-1900 ¹	16	15	31	8.0	17	11.0	.....	.....	.....	.....	.....	.....	222	252	474	114.1	282.2	167.0
1901-1905 ¹	10	5	15	5.0	5	5.0	.....	.....	.....	.....	.....	.....	219	288	507	100.6	307.3	162.9
1906-1910 ¹	10	5	15	4.0	5	4.0	.....	.....	.....	.....	.....	.....	246	304	550	102.5	314.0	163.2
1911.....	16	6	22	6.0	6	6.0	2,813	635	3,448	0.6	0.9	0.6	278	310	588	110.5	315.7	168.2
1912.....	4	3	7	2.0	3	2.0	1,146	492	1,638	.3	.6	.4	251	274	525	98.7	277.7	148.7
1913.....	18	6	24	7.0	6	7.0	4,749	964	5,713	.4	.6	.4	207	277	484	81.1	282.2	137.0
1914.....	1	1	2	1.0	1	1.0	673	274	947	.....	.4	.1	242	226	468	94.4	231.5	132.3
1915.....	4	1	5	1.5	1	1.4	1,557	353	1,910	.2	.3	.3	333	338	671	128.6	342.1	187.6

¹Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	22 Pulmonary tuberculosis.											
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	373	441	814	192.0	494.0	287.0	.....	.....	.....	.....	.....	.....
1901-1905 ¹	350	437	787	161.0	466.0	253.0	.....	.....	.....	.....	.....	.....
1906-1910 ¹	314	435	749	131.0	450.0	222.0	.....	.....	.....	.....	.....	.....
1911.....	327	397	724	130.0	404.0	207.0	538	617	1,155	60.8	64.3	62.6
1912.....	305	420	725	120.0	426.0	205.0	545	582	1,127	55.9	72.2	63.8
1913.....	316	361	677	124.0	368.0	192.0	561	547	1,108	56.4	66.1	61.1
1914.....	260	351	611	102.0	360.0	173.0	504	482	986	51.6	72.8	62.0
1915.....	296	402	698	114.3	406.9	195.1	552	540	1,092	53.6	74.4	63.9

Year.	23 Rheumatism, acute and chronic.						24 Rabies.						25 Softening of the brain.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	17	6	23	8.7	6.7	8.1	1	.....	1	.....	.....	.....	10	4	14	5.1	4.5	4.9
1901-1905 ¹	25	10	35	11.5	10.6	11.2	.....	.....	.....	.....	.....	.....	12	6	18	5.5	6.4	5.7
1906-1910 ¹	20	11	31	8.3	11.4	9.2	.....	.....	.....	.....	.....	.....	15	6	21	8.7	6.2	6.2
1911.....	17	8	25	6.7	8.1	7.1	.....	1	1	.....	1	0.3	10	1	11	3.9	1.0	3.1
1912.....	13	8	21	5.1	8.1	5.9	.....	.....	.....	.....	.....	.....	11	5	16	4.3	5.1	4.5
1913.....	13	10	23	5.1	10.2	6.5	1	.....	1	0.4	.....	.....	3	3	.....	1.2	.....	.....
1914.....	22	11	33	8.6	11.2	9.2	1	.....	1	4	.....	.....	3	4	.....	1.5	4.1	2.3
1915.....	13	6	19	5.0	6.1	5.3	1	.....	1	4	.....	.....	2	2	4	8	2.0	1.1

Year.	26 Scarlet fever.											
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	11	2	13	6.0	2	5.0	.....	.....	.....	.....	.....	.....
1901-1905 ¹	7	1	8	3.0	1	3.0	.....	.....	.....	.....	.....	.....
1906-1910 ¹	9	2	11	4.0	2	3.0	.....	.....	.....	.....	.....	.....
1911.....	4	.....	4	2.0	.....	1.0	480	46	526	1.9	4.3	2.1
1912.....	4	.....	4	2.0	.....	1.0	230	21	271	1.6	.....	1.5
1913.....	13	1	14	5.0	1	4.0	503	25	259	1.7	.....	1.5
1914.....	1	.....	1	4	.....	3	53	556	2.6	1.9	.....	2.5
1915.....	7	1	8	2.7	1	2.2	294	17	311	3	.....	3
.....	.....	.....	.....	.....	.....	.....	728	66	794	1.0	1.5	1.0

¹ Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	27 Smallpox.											
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	1.0	.....	1.0	0.5	.....	0.3	.....	.....	.....	.....	.....	.....
1901-1905 ¹	1.0	2.0	3.0	.5	2.1	1.0	.....	.....	.....	.....	.....	.....
1906-1910 ¹.....	.4	.4	.8	.2	.4	.2	28	53	81	.....	.....	.....
1911.....	.....	.....	.....	.....	.....	.....	23	13	36	.....	.....	.....
1912.....	.....	.....	.....	.....	.....	.....	2	7	9	.....	.....	.....
1913.....	.....	.....	.....	.....	.....	.....	11	129	140	.....	.....	.....
1914.....	.....	.....	.....	.....	.....	.....	53	97	150	.....	.....	.....
1915.....	.....	.....	.....	.....	.....	.....	8	7	15	.....	.....	.....

Year.	28 Suicides.						29 Steam railroad accidents.						30 Street railroad accidents.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	33	5	38	16.9	5.6	13.3	14	3	17	7.2	3.4	6.0	5	2	7	2.6	2.2	2.5
1901-1905 ¹	46	5	51	21.1	5.3	16.4	18	6	24	8.3	6.4	7.7	6	2	8	2.8	2.1	2.6
1906-1910 ¹	62	9	71	25.8	9.3	21.1	18	7	25	7.5	7.2	7.4	11	4	15	4.6	4.1	4.4
1911.....	78	11	89	31.0	11.2	25.5	3	2	5	1.1	2.0	1.4	11	6	17	4.3	6.1	4.9
1912.....	80	9	89	31.6	9.2	25.1	13	2	15	5.1	2.0	4.2	16	3	19	6.2	3.0	5.3
1913.....	64	8	72	25.1	8.1	20.5	7	2	9	2.7	2.0	2.5	9	1	10	3.5	1.0	2.8
1914.....	59	8	67	22.7	8.1	18.9	5	2	7	2.0	2.1	2.0	13	4	17	5.1	4.1	4.8
1915.....	76	11	87	29.3	11.1	24.3	5	.....	5	1.9	.....	1.4	10	2	12	3.8	2.1	3.3

Year.	31 Typhoid fever.											
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	96	75	171	49.0	84.0	60.0	.....	.....	.....	.....	.....	.....
1901-1905 ¹	99	64	163	45.0	68.0	52.0	.....	.....	.....	.....	.....	.....
1906-1910 ¹	73	46	119	30.0	48.0	35.0	660	237	897	11.1	19.3	13.3
1911.....	46	28	74	18.0	29.0	21.0	491	168	659	9.4	16.7	11.2
1912.....	49	29	78	19.0	29.0	22.0	400	185	585	12.3	15.6	13.3
1913.....	35	22	57	14.0	22.0	16.0	346	115	461	10.1	19.1	12.3
1914.....	17	28	45	7.0	29.0	13.0	230	109	339	7.4	25.6	13.3
1915.....	20	22	42	7.7	22.3	11.7	250	109	359	8.0	20.2	11.7

Year.	32 Whooping cough.											
	Deaths.			Death rates per 100,000.			Cases.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1896-1900 ¹	21	35	56	11.0	39.0	20.0	.....	.....	.....	.....	.....	.....
1901-1905 ¹	27	50	77	12.0	53.0	25.0	.....	.....	.....	.....	.....	.....
1906-1910 ¹	15	23	38	6.0	24.0	11.0	.....	.....	.....	.....	.....	.....
1911.....	15	13	28	6.0	13.0	8.0	462	139	601	3.2	9.4	4.6
1912.....	20	14	34	8.0	45.0	18.0	1,088	390	1,478	1.8	11.3	4.3
1913.....	3	14	17	1.0	14.0	5.0	162	157	319	1.9	8.9	5.3
1914.....	5	13	18	2.0	13.0	5.0	424	113	537	1.2	11.5	3.4
1915.....	9	10	19	3.5	10.1	5.3	489	185	674	1.8	5.4	2.8

¹ Annual average for 5-year period.

TABLE 15.—Deaths in the District of Columbia from cancers and other malignant tumors, by race and sex, for the years mentioned below.

Calendar year.	White.		Colored.		Total.		
	Male.	Female.	Male.	Female.	Male.	Female.	Grand total.
1896-1900 ¹	43	77	19	36	62	113	175
1901-1905 ¹	61	105	14	39	75	144	219
1906-1910 ¹	88	124	17	47	105	171	276
1911.....	83	132	25	46	108	178	286
1912.....	99	146	28	50	127	196	323
1913.....	114	164	23	50	137	214	351
1914.....	103	156	32	53	135	209	344
1915.....	121	180	23	68	144	248	392

¹ Annual average for 5-year period.

TABLE 16.—Deaths in the District of Columbia from cancers and other malignant growths, arranged with reference to sex, marital relations, age, and organs involved during the calendar year 1915.

Location.	Total.	White.		Colored.	Marital relation.			Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years.	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.
		Male.	Female.		Single.	Married or widowed.	Unknown.											
Head, face, neck, etc.:																		
Antrum of High-																		
more.....	1			1		1						1						
Cheek.....	2	1	1			2												
Face.....	11	6	4	1	1	10							1	1	2	2		
Jaw.....	8	5	1	2		6								2	2	3	4	
Larynx.....	7	6		1	2	5								1	3	2		
Neck.....	7	5	2		2	5					1		3	1		1	1	
Pharynx.....	1	1				1												
Throat.....	1	1				1										1		
Tongue.....	3	1	1	1	1	2							1	1	1			
Digestive system:																		
Esophagus.....	5	3		1	1	2	3						1	2	2			
Intestines.....	42	18	18	1	5	8	34					2	8	12	7	12		
Liver.....	52	25	20	3	4	10	42				1	1	11	13	11	14	1	
Pancreas.....	7	1	4	2		2	5							4		2	1	
Stomach.....	72	28	20	6	18	8	64					10	11	17	16	13	5	
Female genitals:																		
Breast.....	41		31		10	13	28				1	1	11	15	8	3	2	
Ovary.....	5		5			1	4						1	3	1			
Uterus.....	70		46		24	7	63				3	9	12	18	22	5	1	
Vulva.....	1		1				1							1				
Unclassified:																		
Abdomen.....	1	1				1										1		
Arm.....	1		1			1											1	
Bladder.....	14	3	9		2	1	13						3	3	5	2	1	
Chest.....	2	1	1			2									1			
Foot.....	1				1								1					
Generalized.....	5		3		2	1	5					1	1		2	1		
Hip.....	1	1				1												
Kidney.....	7	2	5			2	5	1	1			1		3	1	1		
Leg.....	2	2				2										1	1	
Lung.....	1			1		1											1	
Mediastinum.....	2	1	1			2												
Mesentery.....	1			1		1						1		1		1		
Myxosarcoma.....	1		1			1											1	
Pelvis.....	3	1	2			3							1	1			1	
Perineum.....	1		1			1												
Prostate.....	5	5				5								1				
Shoulder.....	2	2				2					1					4	1	
Skin.....	1		1			1									1			
Testicle.....	1			1		1								1				
Thigh.....	4	1	1	2		2					1		1	1	1			
Total.....	392	121	180	23	68	70	322	1		1	8	29	69	105	93	67	18	1

TABLE 17.—*Reported cases and deaths in the District of Columbia from pulmonary tuberculosis, by race and by months and years.*

Year.	January.				February.				March.				April.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1896-1900 ¹.....	...	...	34	33	...	...	29	38	...	...	32	38	...	...	36	40
1901-1905 ¹.....	...	...	33	43	...	...	31	41	...	...	35	38	...	...	36	42
1906-1910 ¹.....	...	...	28	40	...	...	32	35	...	...	32	45	...	...	30	44
1911.....	40	53	21	40	60	40	30	31	55	63	37	26	44	52	29	36
1912.....	52	46	30	35	41	51	27	34	62	67	26	49	52	51	32	32
1913.....	53	72	19	34	43	58	24	40	43	48	37	40	64	54	34	26
1914.....	37	38	29	23	37	31	18	34	48	52	27	41	40	39	18	27
1915.....	52	44	25	33	48	31	23	26	44	59	25	42	73	56	32	46

Year.	May.				June.				July.				August.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1896-1900 ¹.....	...	...	31	36	...	...	27	33	...	...	33	37	...	...	28	37
1901-1905 ¹.....	...	...	29	37	...	...	31	36	...	...	23	35	...	...	27	37
1906-1910 ¹.....	...	...	25	36	...	...	24	29	...	...	21	34	...	...	25	28
1911.....	61	56	28	30	46	56	26	32	53	62	29	40	36	40	26	26
1912.....	44	65	31	48	41	57	21	44	56	48	25	48	40	40	20	27
1913.....	44	53	32	40	49	52	26	30	69	51	23	30	38	36	20	34
1914.....	43	37	22	28	38	41	23	25	50	54	33	28	37	32	22	30
1915.....	50	51	21	34	43	36	28	28	33	42	28	34	34	49	23	28

Year.	September.				October.				November.				December.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1896-1900 ¹.....	...	...	26	36	...	...	33	37	...	...	31	35	...	...	34	41
1901-1905 ¹.....	...	...	25	29	...	...	27	32	...	...	30	32	...	...	27	36
1906-1910 ¹.....	...	...	24	35	...	...	25	35	...	...	19	35	...	...	29	38
1911.....	36	55	26	30	34	43	27	37	39	46	23	35	34	51	25	34
1912.....	36	47	18	20	45	40	23	29	41	35	26	29	35	35	26	25
1913.....	40	35	23	24	39	33	16	25	50	36	24	25	29	19	31	13
1914.....	52	47	16	22	44	32	15	31	36	37	25	25	42	42	12	37
1915.....	36	38	19	35	39	42	20	32	33	39	26	29	50	30	26	35

SUMMARY.

Year.	Cases.		Deaths.		Total.	
	White.	Colored.	White.	Colored.	Cases.	Deaths.
1896-1900 ¹.....	.....	.....	374	441	.....	815
1901-1905 ¹.....	.....	.....	354	438	.....	792
1906-1910 ¹.....	.....	.....	314	434	.....	748
1911.....	538	617	327	397	1,155	724
1912.....	545	582	305	420	1,127	725
1913.....	561	547	309	361	1,108	670
1914.....	504	482	260	351	986	611
1915.....	535	517	296	402	1,052	698

¹ Annual average for 5-year period.

TABLE 18.—*Population and deaths, by race, in the District of Columbia from pneumonia, bronchitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths.*

Calendar year.	Population.		Pneumonia.				Bronchitis.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1896-1900 ¹	194,517	89,272	222	114	252	282	54	28	57	75
1901-1905 ¹	217,606	93,719	219	101	288	307	55	25	80	85
1906-1910 ¹	240,244	96,696	246	102	304	314	61	25	67	69
1911.....	251,409	98,159	278	110	310	316	49	19	38	39
1912.....	254,260	98,676	251	99	274	278	50	20	45	46
1913.....	255,153	98,144	207	81	277	282	58	23	41	42
1914.....	256,049	97,615	242	95	226	232	46	18	50	51
1915.....	258,940	98,809	333	129	338	342	52	20	35	36

Calendar year.	Population.		Congestion of lungs.				Pneumonia, bronchitis, and congestion of lungs.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1896-1900 ¹	194,517	89,272	33	17	26	29	329	169	345	386
1901-1905 ¹	217,606	93,719	33	15	25	27	307	141	393	419
1906-1910 ¹	240,244	96,696	27	11	13	13	334	139	384	397
1911.....	251,409	98,159	19	8	11	11	346	137	350	366
1912.....	254,260	98,676	22	9	9	9	323	127	328	332
1913.....	255,153	98,144	9	4	12	12	274	107	330	336
1914.....	256,049	97,615	9	4	3	3	297	116	279	286
1915.....	258,940	98,809	5	2	3	3	390	151	376	381

¹ Annual average for 5-year period.TABLE 19.—*Births reported in the District of Columbia, by race and sex, and by months, during the calendar year 1915.*

Months.	Tot- tal.	White.		Colored.		Twins.		Illegiti- mate.		Attended by physicians.		At- tended by mid- wives.		
		Male.	Female.	Male.	Female.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	
January.....	612	194	219	85	114	1	5	8	7	44	381	173	32	26
February.....	569	209	167	101	92	6	6	18	38	350	173	26	20	
March.....	639	229	212	94	104	8	8	10	42	405	168	36	30	
April.....	583	198	199	86	100	4	10	6	32	360	157	37	29	
May.....	578	193	209	85	91	18	8	52	379	149	23	27	27	
June.....	545	181	182	96	86	8	6	8	32	331	159	32	23	
July.....	621	223	210	87	101	10	4	10	33	404	163	29	25	
August.....	629	213	230	96	90	6	9	37	419	165	24	21	18	
September.....	604	195	204	102	103	10	8	9	37	377	187	22	18	
October.....	591	236	181	83	91	8	5	12	30	390	159	27	15	
November.....	540	188	207	65	80	12	2	9	28	369	132	26	13	
December.....	556	203	190	83	80	8	2	10	32	371	142	22	21	
Total by sex and color.....		2,462	2,410	1,063	1,132									
Total by race.....		4,872		2,195		97	57	110	427	4,536	1,927	336	268	
Total for year.....	7,067	7,067				154		537		6,463		604		

¹ 1 set triplets.

TABLE 20.—*Reported births in institutions in the District of Columbia, by race and sex and by place of birth, during the calendar year 1915.*

Hospitals.	White.		Colored.		Total		
	Male.	Female.	Male.	Female.	White.	Colored.	All.
Casualty Hospital.....	6	.....	5	7	6	12	18
Columbia Hospital.....	117	116	111	139	233	250	483
Emergency Hospital.....	5	7	.....	1	12	1	13
Florence Crittenton Home.....	17	19	.....	.....	36	.....	36
Freedmen's Hospital.....	1	.....	142	149	1	291	292
Garfield Hospital.....	73	88	46	33	161	79	240
Georgetown University Hospital.....	121	134	14	17	255	31	286
George Washington University Hospital.....	109	89	.....	1	198	1	199
Homeopathic Hospital.....	29	35	73	79	64	152	216
Naval Hospital.....	1	.....	.....	.....	1	.....	1
Providence Hospital.....	89	101	.....	1	190	1	191
St. Ann's Asylum.....	9	9	.....	.....	18	.....	18
St. Elizabeth.....	.....	1	.....	1	.....	1	2
Sibley Hospital.....	203	203	.....	.....	406	.....	407
Walter Reed Hospital.....	.....	4	.....	.....	4	.....	4
Washington Asylum Hospital.....	.....	4	29	28	4	57	61
Total.....	780	810	420	457	1,590	877	2,467

TABLE 21.—*Births reported in the District of Columbia, arranged by race, and by legitimacy and illegitimacy.*

Calendar year.	Legitimate.			Illegitimate.			Total.			Twins.			Triplets.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ¹	2,712	1,380	4,092	86	491	577	2,798	1,871	4,669	71	42	113	1	.....	1
1901-1905 ¹	3,335	1,469	4,834	95	481	576	3,430	1,980	5,409	72	52	124	1	2	3
1906-1910 ¹	4,533	1,786	6,319	99	482	581	4,632	2,268	6,900	84	46	130	1	1	2
1911.....	4,674	1,791	6,465	98	469	567	4,772	2,260	7,032	98	56	154	6	.....	6
1912.....	4,625	1,777	6,402	109	496	605	4,734	2,273	7,007	66	64	130	.....	3	3
1913.....	4,554	1,748	6,302	113	488	601	4,667	2,236	6,903	58	30	88	.....	3	3
1914.....	4,835	1,763	6,598	90	442	532	4,925	2,205	7,130	72	52	124	.....	.....	.....
1915.....	4,762	1,768	6,530	110	427	537	4,872	2,195	7,067	97	57	154	.....	1	1

¹ Annual average for 5-year period.

TABLE 22.—Stillbirths reported in the District of Columbia during the calendar year 1915, by race and sex, and certain data relative thereto.

	White.			Colored.			Unknown race.			Total.
	Male.	Female.	Sex unknown.	Male.	Female.	Sex unknown.	Male.	Female.	Sex unknown.	
Legitimacy:										
Legitimate.....	82	64	.....	76	82	3	.....	.....	.....	307
Illegitimate.....	6	3	.....	37	30	1	.....	.....	.....	77
Unknown.....	.....	.....	.....	4	2	.....	16	15	19	56
Total.....	88	67	.....	117	114	4	16	15	19	440
Period uterogestation:										
4 months and under.....	2	1	.....	5	2	1	1	2	19	33
5 months.....	3	4	.....	4	5	1	4	2	.....	23
6 months.....	11	8	.....	15	13	.....	4	5	.....	56
7 months.....	7	9	.....	19	24	1	2	2	.....	64
8 months.....	16	15	.....	19	22	.....	3	2	.....	77
9 months.....	30	11	.....	24	25	.....	1	2	.....	93
10 months.....	19	19	.....	31	23	1	1	.....	.....	94
Total.....	88	67	.....	117	114	4	16	15	19	440
Reported by—										
Physicians.....	87	63	.....	109	107	3	.....	.....	.....	369
Coroner.....	1	4	.....	8	7	1	16	15	19	71
Total.....	88	67	.....	117	114	4	16	15	19	440
Causes:										
Unknown.....	36	32	.....	80	92	2	16	15	19	302
Premature separation placenta.....	2	3	.....	2	1	.....	.....	.....	.....	8
Overwork of mother.....	1	.....	.....	.....	1	.....	.....	.....	.....	2
Cord around neck.....	4	3	.....	3	.....	.....	.....	.....	.....	10
Illness of mother.....	5	1	.....	1	2	.....	.....	.....	.....	9
Malpresentation.....	6	5	.....	4	2	.....	.....	.....	.....	17
Placenta previa.....	7	2	.....	1	1	.....	.....	.....	.....	11
Injury to mother.....	1	2	.....	.....	1	.....	.....	.....	.....	4
Uterine fibroids.....	1	1	.....	1	1	.....	.....	.....	.....	4
Strangulated cord.....	7	4	.....	3	3	.....	.....	.....	.....	17
Eclampsia (uremic).....	1	2	.....	2	.....	.....	.....	.....	.....	5
Prolonged labor.....	7	2	.....	4	1	.....	.....	.....	.....	14
Rupture of uterus.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Deformed pelvis.....	4	2	.....	1	.....	.....	.....	.....	.....	7
Malformation.....	2	2	.....	2	1	.....	.....	.....	.....	7
Dystocia.....	1	2	.....	4	2	.....	.....	.....	.....	9
Syphilis.....	1	1	.....	5	7	1	.....	.....	.....	15
Prematurity.....	1	2	3	6
Degeneration of placenta.....	1	1	2
Total.....	88	67	117	114	4	16	15	19	440

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